

## Term Information

Effective Term Autumn 2021  
[Previous Value](#) [Autumn 2014](#)

## Course Change Information

What change is being proposed? (If more than one, what changes are being proposed?)

number, title, repeatability, and description

What is the rationale for the proposed change(s)?

We are making these changes due to our Anthropology PhD program redesign.

What are the programmatic implications of the proposed change(s)?

(e.g. program requirements to be added or removed, changes to be made in available resources, effect on other programs that use the course)?

N/A

Is approval of the request contingent upon the approval of other course or curricular program request? No

Is this a request to withdraw the course? No

## General Information

Course Bulletin Listing/Subject Area Anthropology  
Fiscal Unit/Academic Org Anthropology - D0711  
College/Academic Group Arts and Sciences  
Level/Career Graduate, Undergraduate  
[Previous Value](#) [Graduate](#)  
Course Number/Catalog 5050  
[Previous Value](#) [8892.12](#)  
Course Title Advanced Methods  
[Previous Value](#) [Seminars in Physical Anthropology: Quantitative Methods II: Advanced](#)  
Transcript Abbreviation Adv Methods  
[Previous Value](#) [Adv Quantiv Metho](#)  
Course Description This course will review the most common multivariate quantitative techniques applied in the anthropological and other social sciences, focusing on the different research questions that could require these quantitative techniques.  
[Previous Value](#) [Quantiative Methods II: Advanced.](#)  
Semester Credit Hours/Units Fixed: 3  
[Previous Value](#) [Variable: Min 2 Max 27](#)

## Offering Information

Length Of Course 14 Week, 12 Week, 8 Week, 7 Week, 6 Week  
Flexibly Scheduled Course Never  
Does any section of this course have a distance education component? No  
Grading Basis Letter Grade  
Repeatable Yes  
Allow Multiple Enrollments in Term No  
[Previous Allow Multiple Enrollments in Term](#) [Yes](#)  
Max Credit Hours/Units Allowed 9  
[Previous Max Credit Hours/Units Allowed](#) [27](#)

Max Completions Allowed	3
<i>Previous Max Completions Allowed</i>	14
Course Components	Seminar
Grade Roster Component	Seminar
Credit Available by Exam	No
Admission Condition Course	No
Off Campus	Never
Campus of Offering	Columbus

## Prerequisites and Exclusions

Prerequisites/Corequisites	
Exclusions	
Electronically Enforced	No

## Cross-Listings

Cross-Listings

## Subject/CIP Code

Subject/CIP Code	45.0202
Subsidy Level	Doctoral Course
Intended Rank	Junior, Senior, Masters, Doctoral
<i>Previous Value</i>	<i>Masters, Doctoral</i>

## Requirement/Elective Designation

Required for this unit's degrees, majors, and/or minors  
The course is an elective (for this or other units) or is a service course for other units

*Previous Value*

*The course is an elective (for this or other units) or is a service course for other units*

## Course Details

### Course goals or learning objectives/outcomes

- Understand multivariate analysis and when its application is appropriate.
- Understand the nature of the different classes of multivariate analyses (Exploratory, Dependence and Interdependence analyses), and how to apply them to specific research questions.
- Understand the reason why multivariate quantitative analyses have become such an important part of data analytical research.
- Learn how to design a quantitative research project, caring for appropriate sampling and analytical techniques.
- Understand the nature of the different types of variables common in anthropological sciences.
- Learn how to apply and interpret results from the most common multivariate analyses, and how to apply them to specific research questions.
- Learn how to use R to run statistical analyses and how to interpret the results output.

*Previous Value*

**Content Topic List**

- Advanced Methods
- statistical analyses

**Previous Value**

- *Quantitative methods II: Advanced*

**Sought Concurrence**

No

**Attachments**

- 5050 advanced methods.docx: Syllabus  
*(Syllabus. Owner: Healy,Elizabeth Ann)*
- Syllabus 8892.12 2016.docx: 8892.12 Syllabus  
*(Syllabus. Owner: Healy,Elizabeth Ann)*
- ANT 5050 on BA Curriculum Map.docx: BA Curriculum Map  
*(Other Supporting Documentation. Owner: Healy,Elizabeth Ann)*
- ANT 5050 on BS Curriculum Map.docx: BS Curriculum Map  
*(Other Supporting Documentation. Owner: Healy,Elizabeth Ann)*

**Comments**

- - Please upload old syllabus at the 8000-level for comparative purposes.
- Please upload curriculum map showing how 5000-level course will fit in the bachelor's program *(by Vankeerbergen,Bernadette Chantal on 11/17/2020 10:08 AM)*

**Workflow Information**

Status	User(s)	Date/Time	Step
Submitted	Healy,Elizabeth Ann	11/03/2020 03:41 PM	Submitted for Approval
Approved	McGraw,William Scott	11/04/2020 11:56 AM	Unit Approval
Approved	Haddad,Deborah Moore	11/04/2020 05:21 PM	College Approval
Revision Requested	Vankeerbergen,Bernadette Chantal	11/17/2020 10:08 AM	ASCCAO Approval
Submitted	Healy,Elizabeth Ann	11/19/2020 01:48 PM	Submitted for Approval
Approved	Guatelli-Steinberg,Debra	11/19/2020 01:58 PM	Unit Approval
Approved	Haddad,Deborah Moore	11/19/2020 03:12 PM	College Approval
Pending Approval	Jenkins,Mary Ellen Bigler Hanlin,Deborah Kay Oldroyd,Shelby Quinn Vankeerbergen,Bernadette Chantal	11/19/2020 03:12 PM	ASCCAO Approval

## Proposed Revision to the Graduate Program in Anthropology (Masters and PhD).

November 3, 2020

### GENERAL INFORMATION

<b>Name of program:</b>	Graduate Program in Anthropology
<b>Degree students will receive:</b>	PhD or M.A.
<b>Proposed implementation date:</b>	Fall 2021
<b>Academic unit administrating program:</b>	Department of Anthropology, College of Arts and Sciences

### BACKGROUND

The Department of Anthropology's Graduate Program currently consists of M.A. and Ph.D. degrees, with students specializing in one of three sub-disciplines: Archaeology, Biological Anthropology, or Cultural Anthropology. The graduate program has strong emphasis on academic training and aims to prepare graduate students for careers in academia, focusing intensely on research and teaching skills. The program has a cohort of 5-10 students per year, composed of students pursuing both M.A. and Ph.D. degrees. While the M.A. and Ph.D. curricula overlap significantly, they are treated as different programs, and students follow different tracks depending on whether they possess a M.A. degree when they are accepted in the program. It is the expectation of the program that students who receive the M.A. will continue into the Ph.D. program. Around 80% of students are fully funded through fellowships and GTA positions. The median time to degree is between 6 and 7 years, within the national average for Anthropology Programs.

The graduate program last revised its curriculum in preparation for the shift to semesters in the fall of 2012. In 2016, the department underwent a review, which identified areas that could be strengthened, including aspects of the Graduate Program. In 2018 a faculty committee was created to plan the redesign of the graduate program curriculum, taking into account lessons learned from external reviews, our students past and present, and our experiences teaching, administering and advising students in the program in the last years.

### RATIONALE

As a result of the self-assessment and reflection with faculty and graduate students, the department developed the revised graduate curriculum presented here. These changes are mostly focused on adjusting coursework to better prepare students for meaningful and productive professional careers inside and outside academia. Additionally, this revised graduate curriculum will streamline student progress to align with shorter commitments of support.

The graduate redesign has seven goals that will significantly improve the current graduate program:

1. [Curriculum will build up on department's strengths](#) (Human Evolutionary History, Society and Environment, Biocultural Perspectives on Health).
2. [Curriculum will focus more on training in research methods.](#)
3. [Curriculum will prepare students for professional careers inside and outside academia.](#)
4. [Program will reduce time for graduation, while recognizing the MA and PhD students spend substantial time in the field.](#)
5. [Program will meet NAS graduate STEM education recommendations.](#)
6. [All students will be financially supported through fellowships and TA positions.](#)
7. [Cohorts will be smaller in order to financially support all students \(and follow the right-sizing guidelines of the college\).](#)

**GOAL 1:** Recent years have seen an increase in interdisciplinary approaches to anthropological research and professional development, which highlight new ways that anthropologists must engage with theory and methods to address research goals. This is a trend that will shape the profile of successful anthropologists, especially in an academic and political environment of limited funding and resources. However, most anthropological training across the country still focuses on specialization in the discipline's traditional subfields, even though many anthropologists work across the borders of these subdisciplines. Therefore, we aim to take advantage of this new trend in the discipline and focus our graduate program on those interdisciplinary themes that are clear strengths of our department: *Human Evolutionary History, Society and Environment*, and *Biocultural Perspectives on Health*. Each faculty in the department identifies themselves with one or more of these themes, and students in the program specialize in them. By building on our strengths and focusing our training efforts on these themes, we will make our program distinctive nationwide, allowing us to compete with top Anthropology programs as we recruit outstanding students and increase the diversity in the department.

Actions proposed to achieve this goal:

- a. Replacement of sub-disciplinary seminars with interdisciplinary theme classes (details [here](#)).
- b. Creation of recurrent 1 CH academic seminar where students of all cohorts interact and exchange experiences and skills (details [here](#)).

**GOAL 2:** From discussions with graduate students, we identified an interest in having more focus on developing skills related to methods of data collection and data analysis. Although the current curriculum offers training in data analysis, most data collection skills are not learned in the classroom. This limits the exposure of students to alternative methods that could be employed in their research and limits their ability to consider new and novel ways to address their research questions. To address this limitation, the redesigned curriculum revises current data analysis courses and offers new opportunities for students to learn data collection methods from the faculty.

Actions proposed to achieve this goal:

- a. Revision of current seminars on quantitative analyses, qualitative analyses, and advanced methods (details [here](#)).
- b. Creation of a two-semester long 1 CH academic seminar about data collection methods (details [here](#)).

**GOAL 3:** Anthropology is going through a shift in the number and types of jobs available for graduated PhDs, as a result of: (a) limited number of positions in academic settings (only ~20% of PhDs in anthropology obtain tenure-track positions at BA/BS, MA/MS, and PhD institutions in the US; [Speakman et al. 2018](#)); and (b) an increase in the alternative career paths that recognize and value the contribution of PhDs in the discipline. While alternative careers skill expectations overlap significantly with academic-relevant skills (e.g., data analysis, writing, critical thinking), graduate students still struggle to refine these skills for non-academic careers. With the revision of our current curriculum, the program will be able to offer the students a better pathway to develop the skills for both academic and non-academic career paths.

Actions proposed to achieve this goal:

- a. Replacement of seminar “Writing for Publication” with seminar “Communicating Anthropology” (details [here](#)).
- b. Revision of Teaching Anthropology seminar and addition of class observation credit hour (details [here](#)).

**GOAL 4:** A big challenge for graduate programs in general, and programs in anthropology in particular, is the time to degree. OSU Anthropology PhDs take an average of 6 to 7 years to graduate, which is a long period of time for students before they start their career and, with limited to funding opportunities, students increase their debts. While anthropology is a discipline that requires long periods of field research in general, there are several ways by which the graduate program can be streamlined to offer the opportunity for students to shorten their time to degree without sacrificing the quality or depth of the program.

Actions proposed to achieve this goal:

- a. Revision of candidacy exam to prepare students more effectively for their dissertation research (details [here](#)).
- b. Continuous assessment of student progress throughout the program, which allows for quick intervention for students performing below expectations (details [here](#)).
- c. Integration of M.A. and Ph.D. program, creating a more streamlined experience that is shared by all students (details [here](#)).
- d. Credit hour allocation to activities that are currently expected from students but that are not formally recognized in the curriculum (details [here](#))

**GOAL 5:** The National Academy of Sciences made a series of recommendations for the graduate programs in STEM to address the challenges of the 21<sup>st</sup> century. The report (which can be read [here](#)) identifies 12 major recommendations that include supporting teaching and mentoring efforts of

students, improving funding opportunities, creating diverse and equitable spaces, and creating a structure of support of students that considers academic progress as well as mental health. Several of the changes proposed here will allow our program to address and incorporate the core recommendation of NAS.

Actions proposed to achieve this goal:

- a. Creation of a continuous assessment tool for student progress in the program, based on yearly reviews of academic portfolio, which allows for quick intervention for students performing below expectations (details [here](#)).
- b. Revision of “Teaching Anthropology” seminar, and the creation of teaching portfolio for students to document and assess their teaching and mentoring work (details [here](#)).
- c. Creation of explicit expectations of the relationship between student, advisor, and faculty committee members, to support students’ success in the program (details [here](#)).
- d. Creation of a long-term 1 credit-hour seminar that focuses on creating a community of practice and professionalization of students (details [here](#)).

**GOAL 6:** The discussions held among faculty, graduate students, and the results of the external departmental review suggest that the graduate program should better support graduate students through fellowships and GA appointments. The revised program aims to fund 100% of the graduate students for at least 5 years, through GA appointments. Although this does not impact the curriculum per se, it requires the program to reduce the number of students accepted in each cohort. The reduced number of students has a significant impact on the curriculum, as discussed in Goal 7. Nonetheless, supporting our students through fellowships and TA appointments is a critical aspect of the redesigned program.

Actions proposed to achieve this goal:

- a. Offer graduate level seminars biannually and combine cohorts, increase the likelihood that minimum enrollment requirements will be met and the courses will not be cancelled (details [here](#)).

**GOAL 7:** Given the goal of fully supporting the education of our graduate students, and taking into consideration the limited funding opportunities provided by the university for students, the program will reduce the size of its incoming cohorts to guarantee that students can be funded through GTA appointments. The Department has been able to offer between 18 and 20 GTA appointments per semester, which means that if we accept between 4 and 5 students in every cohort, students will be funded for 5 years. This reduced number of students guarantees our ability to fund students through their years in the program, but it means that cohorts are not big enough to meet minimum enrollment numbers for graduate seminars, which would never be taught if the minimum enrollment of six students is enforced. Naturally, these numbers do not consider students who receive external fellowships or other funding supports, who would not request or be considered for funding by the department. Therefore, the main change that is associated with achieving this goal is changing how often graduate seminars are offered. As detailed [below](#), we plan to offer graduate seminars every two years, and as

such will join two consecutive cohorts into each seminar, guaranteeing an enrollment of around 8 students for each seminar.

Actions proposed to achieve this goal:

- a. Offer graduate level seminars biannually, to meet minimum enrollment (details [here](#)).

#### PROGRAM DEGREES

The revised program will combine the M.A. and the Ph.D. so they share the same curriculum. All students accepted to the program will be accepted to the Ph.D. program, and may choose to earn their M.A. once the minimum criteria for the M.A. are achieved (coursework + M.A. capstone paper). M.A. degrees will not be considered a prerequisite to apply to program. Students who chose to acquire the M.A. may continue to the Ph.D. program or leave the program after acquiring the M.A.

#### MAGNITUDE OF REVISION

The proposed changes to the program constitute a revision of less than 50% of the curriculum according to Ohio's Chancellor's Council on Graduate Studies (CCGS) guidelines. The changes proposed consist mostly of replacing or revising existing courses, with the addition of a few seminars to the curriculum. While the new curriculum has 12 Credit Hours more than the current version (see [below](#)), the extra credits are mostly associated with recognizing activities that are already part of the current program expectations (e.g., preparing for candidacy), but that are not associated with credits. The expectations and criteria for post-course work remain the same, and as such these changes represent a change of emphasis of the first five semesters of graduate education, and therefore is not a drastic change of the program.

#### TRANSITION PLAN

Once approved, the revised program will be offered to all new cohorts. Cohorts currently enrolled will be able to continue with their current program structure or may choose to adopt the new curriculum. As there are significant advantages to the new curriculum in terms of assessment, content and skill-training, we anticipate that most of the current students will transition to the new curriculum. However, given the similarities between the curricula, especially in the period post-coursework, the department is able to support any number of students in both of the curricula offered, without straining our resources.

#### ADVISING PLAN

All students accepted to the program have a faculty advisor from the first day, as students must be sponsored by a faculty during the application process to be considered eligible to the program. Advisors will be responsible for assessing the progress of students and support their advancements through the entire program. The advisor and members of PhD committee will be responsible for assessing the progress of the students (see below). During the first year in the program, students will also establish



the members of their academic committee, which will support them in the preparation for candidacy exam, PhD research, dissertation writing, and if applicable M.A. examination. Student progress will be assessed in the courses and annually by the faculty when they review the students' academic portfolio, which will document their annual progress. The coursework, academic portfolio, and other activities developed by the students are clearly mapped to the program goals, outcomes and proficiency levels, as detailed below. The integration of comprehensive assessment tools for the different components of graduate education will improve significantly our capacity to support and maximize the chances of success of our students.

## CURRICULAR REVISIONS AND ASSESSMENT TOOLS

The curricular revisions proposed are based on a detailed assessment plan created for the revised curriculum. The assessment plan is based on the definition of Curricular Goals, Learning Outcomes, and Proficiency Levels, which were used to guide the design and revision of coursework and activities in the revised program. Together, they also constitute the assessment plan for the program. We defined six curricular goals for the program:

1. Think like an anthropologist by embracing a comparative, holistic, relativistic, biocultural, and reflexive approach.
2. Understand how anthropologists use and have used theory to describe and explain the world.
3. Understand how to design, conduct, and evaluate research that makes theoretical and practical contributions to anthropology and beyond.
4. Effectively communicate anthropological research and ideas to different audiences and through different outlets.
5. Effectively design and teach courses in anthropology.
6. Meet ethical, collegial, and professional expectations in research, teaching, collaboration, and other professional endeavors.

Each curricular goal has specific learning outcomes and proficiency levels that can be assessed across different parts of the program. They are detailed [below](#). The proficiency levels are tied to coursework and activities in the programs, as detailed in [Appendix 1 – Curricular Map](#). Consequently, the revised program has been constructed on top of a clear structure that will support the progress of the students.

**Assessment of the program** will be done by following the proficiency levels demonstrated by the students, which will allow us to assess their progress as well as the program's overall success. The student assessment will be done on multiple levels:

1. Semester or course level: Students' achievements will be assessed in each of the courses using course assessment tools.
2. Annual or departmental level: students will be assessed annually by the department faculty through review of students' academic portfolio.
3. Degree or committee level: student progress towards learning outcomes will be assessed in the candidacy exam and dissertation defense by the advisor and academic committee.

The **assessment information for the students will be gathered annually** and will be presented to the faculty for review and discussion. For each learning outcome, we will consider the program successful

when 80% of the students demonstrate that they completed or acquired all the proficiency levels listed for that outcome. Those outcomes that fall below this target will be discussed by the faculty, who will propose changes in the coursework and other activities to improve the efficacy of the program.

Furthermore, **every five years the combined results of student assessments will be evaluated by the faculty** and will be used to review and revise the program and revisit goals and outcomes. This data-driven process will facilitate the continuous improvement of the graduate program.

## CURRICULUM COMPARISON

The current and revised curricula are compared in the table below. All seminars in the current curriculum offer 3 Credit Hours. They will be replaced by seminars of 3 Credit Hours in the revised curriculum, unless stated otherwise.

The following key is used:

**Replaced** – seminar replaced by new seminar in revised curriculum

**Added** – seminar added in revised curriculum

**Removed** – seminar removed from current curriculum

**Revised** – existing course that will be modified to align with new learning outcomes

CURRENT CURRICULUM	REVISED CURRICULUM	OFFERING SCHEDULE
<b>THEORETICAL CORE</b>	<b>Theoretical Core</b>	
<b>7804 – ARCHAEOLOGICAL THEORY</b>	Society and Environment	Biannually
<b>7703 – CULTURAL THEORY</b>	Anthropological Approaches to Health	Biannually
<b>8892.01 – EVOLUTIONARY THEORY</b>	Human Evolutionary History	Biannually
<b>METHODS</b>	<b>Methods</b>	
<b>QUANTITATIVE METHODS</b>	<b>Quantitative Methods</b>	Annually (undergrad/grad)
<b>METHODS ELECTIVE</b>	Qualitative Methods	Annually (undergrad/grad)
	<b>Advanced Methods</b>	Annually (undergrad/grad)
	<b>Research Design</b>	Biannually
	<b>Data Collection</b>	Annually (grads only)
	(1 Credit Hour x 2 semesters)	
<b>PROFESSIONAL DEVELOPMENT</b>	<b>Professional Development</b>	
<b>TEACHING IN ANTHROPOLOGY</b>	<b>Teaching in Anthropology + Teaching observation (4CH)</b>	Annually (grads only)
<b>8827 WRITING FOR PUBLICATION</b>	Communicating Anthropology	Biannually
<b>8828 – GRANT WRITING</b>	<b>8828 – Grant Writing</b>	Biannually
<b>COMPLEMENTARY AND ELECTIVES</b>	<b>Complementary and Electives</b>	
<b>ANTHROPOLOGY ELECTIVE 1</b>	Elective 1	
<b>ANTHROPOLOGY ELECTIVE 2</b>	Elective 2	

<b>ANTHROPOLOGY ELECTIVE 3</b>	Elective 3	
<b>ANTHROPOLOGY ELECTIVE 4</b>		
<b>EXTERNAL ELECTIVE 1</b>		
<b>EXTERNAL ELECTIVE 2</b>		
	<b>Candidacy Independent Study (6 Credit Hours)</b>	
	<b>Academic seminar</b> (1 Credit Hour x 5 semesters)	
<b>TOTAL COURSEWORK CREDITS HOURS: 42</b>	<b>TOTAL COURSEWORK CREDITS HOURS: 54</b>	

**Justification for differences in Credit Hours:**

The differences between the coursework credit hours of the current and revised programs are due to the addition of 1 Credit-Hour workshops (Teaching observation, Data collection, Academic seminar), which in some cases are repeated for more than one semester, and the addition of a 6 Credit Hour Independent Study associated with the preparation to the Candidacy Exam.

The 1 Credit-Hour workshops will significantly improve the ability of the program to offer the students skills associated with professional and academic goals, which cannot be easily included inside traditional seminars. Moreover, the Academic Seminar will join several cohorts together, and will contribute to the creation of networks and academic collaborations among students. Currently most students participate in 1 hour per week comparable activities, like the Departmental Socio-Ecological Systems Seminar for which they receive no formal credit recognition.

Likewise, the independent study for the candidacy exam is arguably not an addition to program, since it is simply recognizing efforts the students currently do to prepare themselves for the exams. By giving it a formal space and credit-hour allocation, the revised program is more transparent about its expectations for the students and creates a structure that permits us to assess and support student progress in this essential component of their graduate education.

**CURRICULAR PROGRESSION**

The revised curriculum will offer most graduate courses every two years, pooling together two cohorts to guarantee minimum enrollment for classes. For this reason, there are two possible curricular paths, one for students starting in odd years (e.g., FA21) and other for students starting in even years (e.g., FA22).

Advising sheet – graduate seminars that are pooling two cohorts are marked in **red**

	Year 1		Year 2		Year 3		Year 4+	
	Autumn - Odd Year	Spring – Odd Year	Autumn – Even Year	Spring – Even Year	Autumn - Odd Year	Spring – Odd Year	Autumn – Even Year	Spring – Even Year
<b>Cohort 1</b>	<b>Theory 1 (3CH)</b> Teaching (3CH) <b>Research Des. (3CH)</b> Teaching Obs. (1CH) Data Collection Workshop (1CH) Academic Workshop (1CH)	<b>Theory 2 (3CH)</b> Methods 1 (Quant) (3CH) Elective 1 (3CH) Data Collection Workshop (1CH) Academic Workshop (1CH)	<b>Theory 3 (3CH)</b> Methods 2 (Qual) (3CH) Elective 2 (3CH) Academic Workshop (1CH)	<b>Comm. (3CH)</b> Methods 3 (Adv) (3CH) Elective 3 (3CH) Academic Workshop (1CH)	<b>Grant writ. (3CH)</b> IS Candidacy (6CH) Academic Workshop (1CH) Candidacy	Academic Workshop (1CH) Independent studies (2+CH)	Academic Workshop (1CH) Independent studies (2+CH)	Academic Workshop (1CH) Independent studies (2+CH)
			Year 1		Year 2		Year 3	
	Autumn - Odd Year	Spring – Odd Year	Autumn – Even Year	Spring – Even Year	Autumn - Odd Year	Spring – Odd Year	Autumn – Even Year	Spring – Even Year
<b>Cohort 2</b>			<b>Theory 3 (3CH)</b> Methods 1 (Quant) (3CH) Teaching (3CH) Teaching Obs. (1CH) Data Collection Workshop (1CH) Academic Workshop (1CH)	<b>Comm. (3CH)</b> Methods 2 (Qual) (3CH) Elective 1 (3CH) Data Collection Workshop (1CH) Academic Workshop (1CH)	<b>Theory 1 (3CH)</b> <b>Grant Writing (3CH)</b> <b>Research Des. (3CH)</b> Academic Workshop (1CH)	<b>Theory 2 (3CH)</b> Methods 3 (Adv) (3CH) Elective 2 (3CH) Academic Workshop (1CH)	Elective 3 (3CH) IS Candidacy (6CH) Academic Workshop (1CH) Candidacy	Academic Workshop (1CH) Independent studies (2+CH)

## REMEDATION AND SUPPORT FOR UNDERPERFORMING STUDENTS

The creation of different levels of assessment tied to the proficiency levels for the program will allow the department to follow the progress of students closely and offer support for those students who are underperforming. These remediation strategies do not replace graduate school requirements (e.g., passing grades, minimum GPA), but are meant to complement them, supporting students that are struggling to perform well. The revised program contemplates several ways that allow students to remediate their poor performance.

1. Student's proficiencies assessments will be shared between classes, so that faculty teaching the seminars will know at the start of the semester which areas, if any, the students are not yet meeting the learning outcomes. A dossier tracking these proficiencies serves as a student's formative assessment, currently minimal in our program.
2. Students who do not master core concepts as defined by advisor and mentoring committee will be requested to use the elective seminars to take classes that cover these topics or will be able to petition to develop independent studies with advisors and committee members to study them.
3. Students who do not demonstrate satisfactory progress during the semester of candidacy will be allowed to defer candidacy to the 6<sup>th</sup> semester and will enroll in another 6 CH independent study to continue preparation for candidacy.
4. Students who fail any of the biannual graduate seminars will have the option to develop mastery of content and skills from that seminar through guided independent studies in following semesters, so that they are not delayed for two years in their curricular progress.
5. Students who do not show satisfactory academic progress, as documented in their annual academic portfolio will be requested to create a remediation plan with their advisors, to prioritize work on areas where they are under-performing.

## CURRICULAR GOALS, OUTCOMES AND PROFICIENCY LEVELS

The new program is structured around specific Curricular Goals, which are operationalized and assessed through different Learning Outcomes and Proficiency Levels. Proficiency Levels follow a clear progression from basic to advanced, and it is expected that once students acquire each of the levels in a learning outcome, they are considered proficient in that outcome. Similarly, as they meet the different learning outcomes, they are considered to have meet the curricular goals. In that way, by assessing the proficiency levels, we are able the measure the success of our curricular goals among our students.

Each proficiency level is mapped to specific seminars and activities done by students, as detailed in [Appendix 1 – Curricular Map](#).

### **Description of Curricular Goals, Learning Outcomes, and Proficiency Levels:**

There are three different levels: goals, outcomes, and proficiencies

A. Learning goal

## 1. Learning outcome

### a. Proficiency (Beginner, Intermediate, Advanced)

#### **A. Students will be able to think like an anthropologist by embracing a comparative, holistic, relativistic, biocultural, critical, and reflexive approach.**

1. Explain what culture is and how it shapes humans experience, perception and action in the world.
  - a. Describe anthropological definition of the culture concept (e.g., learned, dynamic, shared, tacit). (Basic/Intermediate)
  - b. Analyze how culture shapes their lives and that of others around them. (Advanced)
2. Interpret and represent other cultures without judging them by the standards of their own culture.
  - a. Recognize own beliefs and practices as cultural. (Basic)
  - b. Recognize that their own beliefs and practices are not “normal”. (Basic)
  - c. Recognize cultural differences between individuals and groups. (Basic)
  - d. Interpret cultural differences as differences and not as deficits. (Intermediate)
  - e. Represent other cultural beliefs and practices with respect. (Advanced)
3. Explain how elements of culture are interrelated and should be understood within context.
  - a. Identify examples of how elements of cultures are interrelated (e.g., relationship between modes of subsistence and gender status). (Basic/Intermediate)
  - b. Analyze cultural phenomena holistically, i.e., studying it within local, global, and historical contexts. (Advanced)
4. Consider the range of human variation when studying human behavior and biology.
  - a. Describe anthropological concepts that can be applied cross-culturally (e.g., anthropological description of marriage). (Basic)
  - b. Identify examples to show the range of human variation as well as to illustrate anthropological concepts. (Basic)
  - c. Apply relevant theoretical concepts in anthropology to describe human cultural and biological variation. (Intermediate)
  - d. Provide theoretical explanations for cross-cultural variation. (Advanced)
5. Explain how humans are a product of evolutionary and cultural processes.
  - a. Recognize how humans are the product of biological evolutionary processes. (Basic)
  - b. Recognize how humans are the product of cultural processes. (Basic)
  - c. Analyze how the interaction between biology and culture shapes human variation. (Intermediate)
  - d. Combine biological and cultural approaches to describe and explain human diversity in the past and present. (Advanced)
  - e. Appreciate the contributions of the different anthropological subfields to the study of human diversity. (Advanced)

6. Critically assess how privilege and power structures interact with biological, cultural, and social systems.
  - a. Recognize inequalities within and among human societies. (Basic)
  - b. Identify the ways in which inequity interacts with biological, cultural, and social systems. (Intermediate)
  - c. Analyze how intersecting systems of oppression influence the lived experience of marginalized individuals and groups. (Intermediate/Advanced)
  - d. Engage with the voices of historically excluded scholars and perspectives. (Intermediate/Advanced)
  - e. Apply critical perspectives to their own research design and praxis. (Advanced)

**B. Students will understand how anthropologists use and have used theory to describe and explain the world.**

1. Evaluate the history of the main theoretical paradigms in anthropology.
  - a. Summarize the history and development of anthropological theory. (Basic)
  - b. Recognize theoretical frameworks in anthropological literature. (Basic)
  - c. Identify current theoretical debates of anthropology. (Intermediate)
  - d. Evaluate various strengths and weaknesses of anthropological theories. (Intermediate)
  - e. Make connections between theories from different subfields. (Advanced)
  - f. Recognize that writing the history of anthropology is an interpretive exercise that shapes what is included and excluded. (Advanced)
2. Connect anthropological theories to research endeavors.
  - a. Examine how theoretical frameworks shape research questions. (Basic)
  - b. Appreciate the contributions of different theoretical frameworks. (Intermediate)
  - c. Evaluate how multiple theoretical frameworks can be used to address a research question. (Advanced)
  - d. Connect appropriate anthropological theories to meaningful research questions. (Advanced)
3. Construct their own conceptual framework drawing from anthropological (and other) theories.
  - a. Reflect on their own worldviews. (Basic)
  - b. Compare own worldviews with theoretical paradigms. (Basic)
  - c. Construct their own conceptual framework integrating relevant theoretical paradigms. (Advanced)
  - d. Articulate clearly their own conceptual framework. (Advanced)

**C. Understand how to design, conduct, and evaluate research that makes theoretical and practical contributions to anthropology and beyond.**

1. Design a research project that links research questions to data being generated, methods to be used, and data analysis.
  - a. Formulate clear research questions, hypotheses, and objectives. (Basic)

- b. Identify the necessary data needed to answer research questions, evaluate hypotheses and/or achieve objectives. (Basic)
  - c. Identify the appropriate methods to generate the necessary data. (Basic)
  - d. Identify the appropriate population, sample, sample size, and sampling techniques from which to generate the necessary data. (Intermediate)
  - e. Identify the appropriate methods to analyze the data to answer the research questions and/or evaluate the hypotheses. (Advanced)
  - f. Communicate the research design in a research proposal. (Advanced)
2. Apply anthropological theory to their research questions.
- a. Identify relevant theoretical frameworks for a research question. (Basic)
  - b. Connect the theoretical frameworks to a meaningful research question. (Intermediate)
  - c. Use conceptual framework to develop research question and rigorous methods. (Advanced)
3. Conduct Research.
- a. Develop / select relevant methods for data generation. (Basic)
  - b. Apply appropriate data generation methods. (Intermediate)
  - c. Use appropriate data management protocols. (Intermediate)
  - d. Use appropriate quantitative and/or qualitative data analysis methods. (Intermediate)
4. Interpret results to discern their theoretical, methodological and practical implications
- a. Recognize contributions of findings to anthropology and beyond. (Intermediate)
  - b. Articulate theoretical, methodological and practical implications of research. (Intermediate)
  - c. Communicate the theoretical, methodological and practical contributions. (Advanced)
5. Consider issues of justice, beneficence, and autonomy when conducting research with human or animal subjects.
- a. Consider how to respect human subjects, protect their autonomy, and obtain informed consent. (Basic)
  - b. Consider and weigh the costs and benefits of the research activities for human subjects. (Basic)
  - c. Consider how research activities are administered fairly and equally among potential research participants. (Basic)
  - d. Obtain necessary permits, permissions, and approvals for research in a timely manner. (Intermediate)
  - e. Conduct research ethically in accordance with the guidelines of professional organizations. (Advanced)

**D. Effectively communicate anthropological research and ideas to different audiences and through different outlets.**

- 1. Write anthropological contribution of their research to academic audience
  - a. Evaluate the different academic venues available for communicating their work. (Basic)
  - b. Select the most appropriate academic venue for their specific work. (Basic)



- c. Understand the norms and structures of academic communication. (Intermediate)
  - d. Write clearly and in the appropriate format for the selected audience. (Advanced)
- 2. Orally present anthropological contribution of their research to academic audience
  - a. Evaluate the different academic venues available for communicating their work. (Basic)
  - b. Select the most appropriate academic venue for their specific work. (Basic)
  - c. Understand the norms and structures of academic communication. (Intermediate)
  - d. Present clearly and in the appropriate format for a selected audience. (Advanced)
- 3. Explain anthropological contribution of their research to broader audience
  - a. Recognize different audiences with different needs (e.g., age, locality, educational background). (Basic)
  - b. Know the requirements and expectations for different outlets (e.g., social media, news feeds, podcasts, blogs). (Intermediate)
  - c. Transmit research clearly through different media formats. (Advanced)

**E. Students will be able to effectively design and teach courses in anthropology.**

- 1. Teach with attention to inclusion of multiple perspectives and demographics.
  - a. Identify how diversity shapes student learning. (Basic)
  - b. Reflect on how personal background shapes teaching and learning. (Basic)
  - c. Incorporate multiple perspectives into teaching through course design. (Intermediate)
  - d. Teach with attention to inclusion of multiple perspectives and demographics. (Advanced)
- 2. Incorporate scholarship of teaching and learning into practice of teaching.
  - a. Identify a range of relevant education and pedagogical theories within the scholarship of teaching and learning. (Basic)
  - b. Design a range of teaching practices that incorporate relevant education and pedagogical theories. (Basic)
  - c. Implement theoretically informed practices in an educational setting. (Intermediate)
  - d. Practice a range of effective pedagogical strategies: lecturing, discussion-leading, class management, and assessment of student learning. (Advanced)
  - e. Assess the effectiveness of teaching strategies in achieving learning outcomes. (Advanced)
- 3. Develop a teaching portfolio.
  - a. Develop a teaching philosophy. (Basic)
  - b. Compile evidence in support of teaching philosophy. (Intermediate)
  - c. Reflect on teaching effectiveness. (Intermediate)
  - d. Plan a course in anthropology using backward course design. (Advanced)

**F. Meet ethical, collegial, and professional expectations in research, teaching, collaboration, and other professional endeavors.**

- 1. Plan a career

- a. Identify career goals and opportunities, including alternative careers. (Basic)
  - b. Formulate an individual development plan. (Intermediate)
  - c. Follow ethical and professional guidelines defined by the professional associations relevant to the student's career. (Intermediate)
  - d. Foster collegial relationships. (Advanced)
2. Develop a publication record
  - a. Identify appropriate venues and expectation. (Basic)
  - b. Follow ethical guidelines in publishing and reviewing. (Intermediate)
  - c. Publish papers. (Advanced)
  - d. Foster collegial feedback and support for publication among peers. (Advanced)
3. Develop a grant application record
  - a. Identify appropriate funding organizations and expectations. (Basic)
  - b. Follow ethical guidelines when submitting proposals, administering grants, and reporting. (Intermediate)
  - c. Foster collegial feedback and support in grant writing among peers. (Advanced)
  - d. Submit grant proposals. (Advanced)
4. Develop a teaching record
  - a. Identify professional expectations in teaching (Basic)
  - b. Teach responsibly and ethically (Intermediate)
  - c. Continue professional development as a teacher (Advanced)
  - d. Foster collegial feedback and support in teaching among peers (Advanced)
5. Establish professional collaborations and networks
  - a. Identify the appropriate professional associations and potential collaborators. (Basic)
  - b. Build skills for constructing and maintaining a professional network. (Intermediate)
  - c. Foster collaborations among peers and junior scholars. (Advanced)

## Appendix 1 – Curriculum Map

Proficiency levels are mapped to the curriculum, following the tables below. B, I, and A refer to Basic, Intermediate, and Advanced proficiency levels, as detailed in the previous section.

Outcomes to each curricular goal	proficiency level in outcomes	Theory 1 Society and environment	Theory 2 Anthropological Approaches to Health	Theory 3 Human Evolutionary History	Research Design	Communication	Teaching Anthropology	Grant writing	Data collection workshop	Methods 1-3 (Qualitative, Quantitative, Advanced)
A1 1. Explain what culture is and how it shapes humans experience, perception and action in the world.	B/I, A	B/I, A	B/I, A	B/I, A						
A2 2. Interpret and represent other cultures without judging them by the standards of their own culture.	B1, B2, B3, I, A	B1, B2, B3, I, A	B1, B2, B3, I, A	B1, B2, B3, I, A						
A3 3. Explain how elements of culture are interrelated and should be understood within context.	B/I, A	B/I, A	B/I, A	B/I, A						
A4 4. Consider the range of human variation when studying human behavior and biology.	B1, B2, I, A	B1, B2, I, A	B1, B2, I, A	B1, B2, I, A						
A5 5. Explain how humans are a product of evolutionary and cultural processes.	B1, B2, I, A1, A2	B1, B2, I, A1, A2	B1, B2, I, A1, A2	B1, B2, I, A1, A2						
A6 6. Critically assess how privilege and power structures interact with biological, cultural, and social systems.	B, I, I/A1, I/A2, A	B, I, I/A1, I/A2, A	B, I, I/A1, I/A2, A	B, I, I/A1, I/A2, A						
B1 1. Evaluate the history of the main theoretical paradigms in anthropology.	B1, B2, I1, I2, A1, A2	B1, B2, I1, I2, A1, A2	B1, B2, I1, I2, A1, A2	B1, B2, I1, I2, A1, A2						
B2 2. Connect anthropological theories to research endeavors.	B, I, A1, A2	B, I	B, I	B, I	B, I			A1, A2		
B3 3. Construct their own conceptual framework drawing from anthropological (and other) theories.	B1, B2, A1, A2				B1, B2, A1, A2			B1, B2, A1, A2		
C1 1. Design a research project that links research questions to data being generated, methods to be used, and data analysis.	B1, B2, B3, I, A1, A2				B1, B2, B3, I, A1, A2			B1, B2, B3, I, A1, A2	B3, I, A1, A2	B3, I, A1, A2

	Outcomes to each curricular goal	proficiency level in outcomes	Theory 1 Society and environment	Theory 2 Anthropological Approaches to Health	Theory 3 Human Evolutionary History	Research Design	Communication	Teaching Anthropology	Grant writing	Data collection workshop	Methods 1-3 (Qualitative, Quantitative, Advanced)
C2	2. Apply anthropological theory to their research questions.	B, I, A				B, I, A			B, I, A		
C3	3. Conduct Research.	B, I1, I2, I3								B, I1, I2, I3	B, I1, I2, I3
C4	4. Interpret results to discern their theoretical, methodological and practical implications	I1, I2, A									
C5	5. Consider issues of justice, beneficence, and autonomy when conducting research with human or animal subjects.	B1, B2, B3, I, A1				B1, B2, B3, I, A1			B1, B2, B3, I, A1	B1, B2, B3, I, A1	
D1	1. Write anthropological contribution of their research to academic audience	B1, B2, I, A					B1, B2, I, A				
D2	2. Orally present anthropological contribution of their research to academic audience	B1, B2, I, A					B1, B2, I, A				
D3	3. Explain anthropological contribution of their research to broader audience	B, I, A					B, I, A				
E1	1. Teach with attention to inclusion of multiple perspectives and demographics.	B1, B2, I, A						B1, B2, I, A			
E2	2. Incorporate scholarship of teaching and learning into practice of teaching.	B1, B2, I, A1, A2						B1, B2, I, A1, A2			
E3	3. Develop a teaching portfolio.	B, I1, I2, A						B, A			
F1	1. Plan a career	B, I1, I2, A	I2, A	I2, A	I2, A	I2, A	I2, A	I2, A	I2, A	I2, A	I2, A
F2	2. Develop a publication record	B, I, A1, A2					B, I, A2				
F3	3. Develop a grant application record	B, I, A1, A2, A3							B, I, A1, A2, A3		
F4	4. Develop a teaching record	B, I, A1, A2						B, I, A2			
F5	5. Establish professional collaborations and networks	B, I, A									

	Outcomes to each curricular goal	proficiency level in outcomes	Academic workshop	Proposal	Dissertation	Dissertation defense	Dissertation presentation	Teaching Portfolio	Teaching peer review	Teaching faculty review
A1	1. Explain what culture is and how it shapes humans experience, perception and action in the world.	B/I, A								
A2	2. Interpret and represent other cultures without judging them by the standards of their own culture.	B1, B2, B3, I, A								
A3	3. Explain how elements of culture are interrelated and should be understood within context.	B/I, A								
A4	4. Consider the range of human variation when studying human behavior and biology.	B1, B2, I, A								
A5	5. Explain how humans are a product of evolutionary and cultural processes.	B1, B2, I, A1, A2								
A6	6. Critically assess how privilege and power structures interact with biological, cultural, and social systems.	B, I, I/A1, I/A2, A		A	A	A	A			
B1	1. Evaluate the history of the main theoretical paradigms in anthropology.	B1, B2, I1, I2, A1, A2								
B2	2. Connect anthropological theories to research endeavors.	B, I, A1, A2		A1, A2	A1, A2	A1, A2	A1, A2			
B3	3. Construct their own conceptual framework drawing from anthropological (and other) theories.	B1, B2, A1, A2		B1, B2, A1, A2	A1, A2	A1, A2	A1, A2			
C1	1. Design a research project that links research questions to data being generated, methods to be used, and data analysis.	B1, B2, B3, I, A1, A2		B1, B2, B3, I, A1, A2	B1, B2, B3, I, A1, A2	B1, B2, B3, I, A1, A2	B1, B2, B3, I, A1, A2			
C2	2. Apply anthropological theory to their research questions.	B, I, A		B, I, A	B, I, A	B, I, A	B, I, A			
C3	3. Conduct Research.	B, I1, I2, I3			B, I1, I2, I3	B, I1, I2, I3	B, I1, I2, I3			
C4	4. Interpret results to discern their theoretical, methodological and practical implications	I1, I2, A			I1, I2, A	I1, I2, A	I1, I2, A			

	Outcomes to each curricular goal	proficiency level in outcomes	Academic workshop	Proposal	Dissertation	Dissertation defense	Dissertation presentation	Teaching Portfolio	Teaching peer review	Teaching faculty review
C5	5. Consider issues of justice, beneficence, and autonomy when conducting research with human or animal subjects.	B1, B2, B3, I, A1								
D1	1. Write anthropological contribution of their research to academic audience	B1, B2, I, A								
D2	2. Orally present anthropological contribution of their research to academic audience	B1, B2, I, A								
D3	3. Explain anthropological contribution of their research to broader audience	B, I, A								
E1	1. Teach with attention to inclusion of multiple perspectives and demographics.	B1, B2, I, A						B1, B2, I, A	B1, B2, I, A	B1, B2, I, A
E2	2. Incorporate scholarship of teaching and learning into practice of teaching.	B1, B2, I, A1, A2						B1, B2, I, A1, A2	B1, B2, I, A1, A2	B1, B2, I, A1, A2
E3	3. Develop a teaching portfolio.	B, I1, I2, A						B, I1, I2, A		
F1	1. Plan a career	B, I1, I2, A	I2, A						I2, A	
F2	2. Develop a publication record	B, I, A1, A2								
F3	3. Develop a grant application record	B, I, A1, A2, A3			B, I, A1, A2, A3					
F4	4. Develop a teaching record	B, I, A1, A2						B, I, A1, A2	B, I, A1, A2	B, I, A1
F5	5. Establish professional collaborations and networks	B, I, A	B, I, A	B, I, A						

	Outcomes to each curricular goal	proficiency level in outcomes	Academic portfolio year 1	Academic portfolio year 2	Academic portfolio Year 3	Academic portfolio year 4	Academic portfolio year 5
A1	1. Explain what culture is and how it shapes humans experience, perception and action in the world.	B/I, A					
A2	2. Interpret and represent other cultures without judging them by the standards of their own culture.	B1, B2, B3, I, A					
A3	3. Explain how elements of culture are interrelated and should be understood within context.	B/I, A					
A4	4. Consider the range of human variation when studying human behavior and biology.	B1, B2, I, A					
A5	5. Explain how humans are a product of evolutionary and cultural processes.	B1, B2, I, A1, A2					
A6	6. Critically assess how privilege and power structures interact with biological, cultural, and social systems.	B, I, I/A1, I/A2, A					
B1	1. Evaluate the history of the main theoretical paradigms in anthropology.	B1, B2, I1, I2, A1, A2					
B2	2. Connect anthropological theories to research endeavors.	B, I, A1, A2					
B3	3. Construct their own conceptual framework drawing from anthropological (and other) theories.	B1, B2, A1, A2					
C1	1. Design a research project that links research questions to data being generated, methods to be used, and data analysis.	B1, B2, B3, I, A1, A2					
C2	2. Apply anthropological theory to their research questions.	B, I, A					
C3	3. Conduct Research.	B, I1, I2, I3					

	Outcomes to each curricular goal	proficiency level in outcomes	Academic portfolio year 1	Academic portfolio year 2	Academic portfolio Year 3	Academic portfolio year 4	Academic portfolio year 5
C4	4. Interpret results to discern their theoretical, methodological and practical implications	I1,I2, A					
C5	5. Consider issues of justice, beneficence, and autonomy when conducting research with human or animal subjects.	B1, B2, B3, I, A1					
D1	1. Write anthropological contribution of their research to academic audience	B1, B2, I, A			A	A	A
D2	2. Orally present anthropological contribution of their research to academic audience	B1, B2, I, A			A	A	A
D3	3. Explain anthropological contribution of their research to broader audience	B, I, A			A	A	A
E1	1. Teach with attention to inclusion of multiple perspectives and demographics.	B1, B2, I, A					
E2	2. Incorporate scholarship of teaching and learning into practice of teaching.	B1, B2, I, A1, A2					
E3	3. Develop a teaching portfolio.	B, I1, I2, A					
F1	1. Plan a career	B, I1, I2, A	B, I1	B, I1	B, I1	B, I1	B, I1
F2	2. Develop a publication record	B, I, A1, A2			A1	A1	A1
F3	3. Develop a grant application record	B, I, A1, A2, A3			A2	A2	
F4	4. Develop a teaching record	B, I, A1, A2					
F5	5. Establish professional collaborations and networks	B, I, A	I, A	I, A	I, A	I, A	I, A



## **Appendix 2 – Seminar Syllabi**

The following pages show the syllabi for the seminars associated with the graduate program redesign, which considers the assessment of proficiency levels, as defined in [Appendix 1](#). Most seminars are updated versions of seminars already offered by the program. See [Curriculum Comparison](#) for details on which seminars are revised versions of the current program and which are additions to the new proposal.

Syllabi index (click on links to go to respective seminars):

[Theory 1 – Society and Environment](#)

[Theory 2 - Anthropological Approaches to Health](#)

[Theory 3 – Human Evolutionary History](#)

[Research Design](#)

[Communication](#)

[Teaching Anthropology](#)

[Grant Writing](#)

[Quantitative Methods](#)

[Qualitative Methods](#)

[Advanced Methods](#)

[Data Collection Workshop](#)

[Academic Workshop](#)

# **ANTHROPOLOGY 7804**

## **THEORY 1:**

### **SOCIETY AND ENVIRONMENT**

Instructor: Brutus Buckeye  
brutus.1@osu.edu  
4034 Smith Laboratory  
Tel. (614) 292-4149

Autumn 2020  
Hours of instruction: TR 11:10 – 12:30  
Classroom: Smith Lab 4094  
Office hours: W 12-3 PM or by appointment

#### **COURSE DESCRIPTION**

This course provides an overview of major theoretical paradigms that have shaped anthropological research on humans and their environment. The goal is to train students to think theoretically as anthropologists by critically examining primary and secondary sources for a selection of theoretical paradigms on social-ecological systems.

#### **COURSE GOAL AND LEARNING OUTCOMES**

The goal is to train students to think theoretically as anthropologists, i.e., understand how anthropologists use theory to describe and explain the diversity and dynamics of social-ecological systems, and this entails the following:

1. Explain what culture is and how it shapes humans experience, perception, and behavior.
2. Interpret and represent other cultures without judging them by the standards of their own culture.
3. Explain how elements of culture are interrelated and should be understood within context.
4. Consider the range of human variation when studying human behavior and biology.
5. Explain how human diversity is a product of evolutionary and cultural processes.
6. Evaluate the history of the main theoretical paradigms in anthropology.
7. Connect anthropological theories to research endeavors.
8. Construct their own conceptual framework drawing from anthropological (and other) theories.
9. Meet ethical, collegial, and professional expectations in and outside the classroom.

#### **READINGS**

The required readings will be made available through Carmen. You are expected to have read the assigned readings before you come to class. As you read, highlight, take notes, summarize, look up new words or concepts, and come with questions for me and/or your

classmates. In short, be prepared to discuss the readings in class and bring the readings to class. I recommend you to go over the readings once more after class.

## LEARNING OUTCOMES

The goal is to train students to think theoretically as anthropologists, i.e., understand how anthropologists use theory to describe and explain the diversity and dynamics of social-ecological systems, and this entails the following:

2. Explain what culture is and how it shapes humans experience, perception, and behavior.
  - a. Describe anthropological definition of the culture concept (e.g., learned, dynamic, shared, tacit). (A1a)
  - b. Analyze how culture shapes their lives and that of others around them. (A1b)
3. Interpret and represent other cultures without judging them by the standards of their own culture.
  - a. Recognize own beliefs and practices as cultural. (A2a)
  - b. Recognize that their own beliefs and practices are not “normal”. (A2b)
  - c. Recognize cultural differences between individuals and groups. (A2c)
  - d. Interpret cultural differences as differences and not as deficits. (A2d)
  - e. Represent other cultural beliefs and practices with respect. (A2e)
4. Explain how elements of culture are interrelated and should be understood within context.
  - a. Identify examples of how elements of cultures are interrelated (e.g., relationship between modes of subsistence and gender status). (A3a)
  - b. Analyze cultural phenomena holistically, i.e., studying it within local, global, and historical contexts. (A3b)
5. Consider the range of human variation when studying human behavior and biology.
  - a. Describe anthropological concepts that can be applied cross-culturally (e.g., anthropological description of marriage). (A4a)
  - b. Identify examples to show the range of human variation as well as to illustrate anthropological concepts. (A4b)
  - c. Apply relevant theoretical concepts in anthropology to describe human cultural and biological variation. (A4c)
  - d. Provide theoretical explanations for cross-cultural variation. (A4d)
6. Explain how human diversity is a product of evolutionary and cultural processes.
  - a. Recognize how humans are the product of evolutionary processes. (A5a)
  - b. Recognize how humans are the product of cultural processes. (A5b)
  - c. Analyze how the interaction between biology and culture shapes humans. (A5c)
  - d. Combine biological and cultural approaches to describe and explain human diversity in the past and present. (A5d)

- e. Appreciate the contributions of the different anthropological subfields to the study of human diversity. (A5e)
7. Evaluate the history of the main theoretical paradigms in anthropology.
    - a. Summarize the history and development of anthropological theory. (B1a)
    - b. Recognize theoretical frameworks in anthropological literature. (B1b)
    - c. Identify current theoretical debates of anthropology. (B1c)
    - d. Evaluate various strengths and weaknesses of anthropological theories. (B1d)
    - e. Make connections between theories from different subfields. (B1e)
    - f. Recognize that writing the history of anthropology is an interpretive exercise. (B1f)
  8. Connect anthropological theories to research endeavors.
    - a. Examine how theoretical frameworks shape research questions. (B2a)
    - b. Appreciate the contributions of different theoretical frameworks. (B2b)
    - c. Evaluate how multiple theoretical frameworks can be used to address a research question. (B2c)
    - d. Connect appropriate anthropological theories to research questions. (B2d)
  9. Construct their own conceptual framework drawing from anthropological (and other) theories.
    - a. Reflect on their own worldviews. (B3a)
    - b. Compare own worldviews with theoretical paradigms. (B3b)
    - c. Construct their own conceptual framework integrating relevant theoretical paradigms. (B3c)
    - d. Articulate clearly their own conceptual framework. (B3d)
  10. Meet ethical, collegial, and professional expectations in and outside the classroom
    - a. Follow ethical and professional guidelines defined by the professional associations relevant to the student's career. (F1c)
    - b. Foster collegial relationships by sharing learning strategies and supporting fellow students. (F1d)

## ASSESSMENT OF LEARNING OUTCOMES

**Seminar.** The goal of the seminars is to make sense of the theoretical paradigms in the anthropology of social-ecological systems, i.e., to understand the framework and the debates about the paradigm, to appreciate its contributions, its place in the history of anthropology, and recognize how it continues to shape anthropological research on social-ecological systems. The workshops are not competitive debates in which participants try to 'win' by arguing for their interpretation of the theoretical frameworks. Instead, the goal is to collaboratively come to an understanding of anthropological theories of social-ecological systems (with the understanding that we may arrive at different understandings of the same paradigms). Everyone is responsible for making the workshop an effective learning activity. This entails not only talking, but also listening, and encouraging others to participate. **F1d**

**Addendum.** At the end of every week – before Friday midnight – students have to submit a paragraph or two (no longer than one page) in which they reflect on what they learned that week from reading, writing, and workshop discussions with an emphasis on what they learned from discussions with their fellow students. The goal of the assignment is for students to develop their own conceptual framework drawing from the anthropological theories discussed in the course and prepare for the term paper. **B3a-d, B2a-b**

**Weekly Homework Assignments (WHA).** Every week students will complete one written homework assignment in which they can practice and demonstrate one or more learning outcomes. The homework assignments below are examples of the types of assignments that instructors can use to assess student learning.

**WHA: Anthropological Perspectives.** You will write a short essay in which you (1) explain what the value of an anthropological approach is; and (2) how you will use the different anthropological perspectives in your own research, teaching, and professional career. The essay should be no longer than 4 double-spaced pages. **A1a - A5e**

**WHA: Critical analysis of anthropological theory.** In this homework assignment, students will use the following set of instructions to critically analyze the readings for that particular week: (1) explain the theoretical framework and its major concepts; (2) discuss the strengths and weaknesses of the theoretical framework and its contribution to the discipline of anthropology; (3) discuss how this theoretical framework can be used to study your topic; and (4) discuss how different writers assess the theoretical framework. Students are advised to consult secondary sources to complete this homework assignments. Secondary sources can be review articles, like William Roseberry's Annual Review of Anthropology article about 'Marx and Anthropology' (1988) or chapters in a textbook or an encyclopedia, like McGee, R. Jon, and Richard L. Warms. 2012. Anthropological theory: An introductory history. 5th edition ed. Boston: McGraw-Hill. Students have to paraphrase and avoid quotations – in other words, they have to describe and explain these theoretical concepts and frameworks in their own words. **B1a-b, B1d-f**

**WHA: History of anthropological theory.** This homework assignment prompts students to connect the history of anthropology to broader histories of social and epistemological frameworks (in humanism and in science). Students will select for in-class presentation a work of art broadly defined—painting, film, photograph, music, literature. The presentation will be accompanied by a one-page outline that describes how that historical artwork (representing between 1770 and 1970) reflects or amplified intellectual and social trends of its time (or of the time represented) and how, in turn those trends are represented in seminal anthropological works of that time. An example might be the film "Angels & Insects" and its portrayal of the broader context in which evolutionary theory and the Ascent of Man was conceived. **B1a, B1e-f, B2a, B3a**

**WHA: What is hot?** The goal of this homework assignment is to find out what are the "hot" theoretical paradigms of today, i.e., what are popular, contemporary theoretical paradigms or concepts? Contemporary means in the last three to five years. In the essay, students have to do the following: (1) discuss the research strategies that they used to figure out what is "hot"; (2) describe the main players or theorists; (3) explain the theoretical paradigms and the questions they address; (4) discuss the strengths and weaknesses of theoretical paradigms; (5) discuss how it builds on earlier theoretical paradigms; and (6) explain contributions of paradigms to discipline of anthropology. **B1a-c, B2a-b, B2d**

**WHA: Theory and current conditions** This assignment builds on the History of Anthropological Theory with students selecting an artwork (conceived broadly) of the past three to five years for in-class presentation. The presentation will be accompanied by a one-page outline that describes how that artwork reflects or amplifies intellectual and socio-economic trends current today. In recursive class discussion and with other exercise explores how in turn those trends are influential in and impacted by anthropology. **A1b, B3a-b, B1e**

**WHA: Paradigm detection.** In this homework, students will select one recent article from a faculty member in the department that was published in the last five years and identify the theoretical paradigm(s) that are used explicitly and implicitly in the article. Students have to write a two-page analysis in which they (1) explain how they detected the paradigms (e.g., terminology, theorists, questions, explanations, concepts, approaches, citations); and (2) explain how the paradigms have shaped the research and article. **B1c, B2a-b**

**WHA: Linking theory to research.** In this homework assignment, students will use the following set of instructions to critically analyze the readings for that particular week: (1) explain the theoretical framework and its major concepts; (2) discuss how the theoretical frameworks shapes empirical research in the assigned research article, for example, how it shapes the research questions, research design, sampling strategies, methods used, data collected, and/or how the data is used to answer the research questions; (3) discuss how the theoretical concepts or frameworks can

shape their own research project and/or generate meaningful research questions about you topic. Here too, students have to paraphrase and avoid quotations – in other words, they have to describe and explain these theoretical concepts and frameworks in their own words. **B2a-d**

**Peer review.** In week 12, students will review the first draft of the term paper of one of their peers. Detailed instructions for peer-review will be made available to the students, drawing from instructions from professional journals and publishers (e.g., Elsevier) and the rubric for the term paper. The reviewer should provide critical and constructive feedback for the author, but in the final paragraph of the review should describe what the reviewer learned from reviewing. The goal of the peer review is for students to develop supportive professional habits and relationships with their peers. **F1c, F1d.**

**Term paper.** The capstone assignment for this course is a term paper in which students draw on theoretical frameworks covered in the course (and others) to develop their conceptual framework and research project. In the term paper, students should: (1) explain what a conceptual framework is; (2) describe clearly their own conceptual framework; (3) convince the reader of the importance of the topic and (4) the rigor of methodology. In addition, students should be discussing (5) how different theoretical frameworks yield different understandings of the topic and (6) what the advantages and disadvantages are of using different theoretical frameworks. Students should not just use the frameworks from their own subfields, but use frameworks from multiple subfields (and disciplines). The term paper should be no longer than 15 pages double-spaced. The term paper should align with the students' research interests and advance their dissertation research. It may be preparation for their doctoral exam. **B1d-e, B2a-d, B3a-d**

**Evaluation:** Course responsibilities will be weighted in the following way:

1. Weekly homework assignments (HWA)(14)	30%
2. Seminar	10%
3. Peer review	10%
4. Addenda (14)	15%
5. Term paper	35%
<b>Total</b>	<b>100%</b>

Final grades are based on the OSU Standard Scheme. A general guide to how you are doing is: A 93; A- 90-92; B+ 87-89; B 83-86; B- 80-82; C+ 77-79; C 73-76; C- 70-72; D+ 67-69; D 60-66; E< 60.



## **UNIVERSITY STATEMENTS**

### **Office of Disability Services Statement**

The University strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including mental health, chronic or temporary medical conditions), please let me know immediately so that we can privately discuss options. To establish reasonable accommodations, I may request that you register with Student Life Disability Services. After registration, make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. SLDS contact information: [slds@osu.edu](mailto:slds@osu.edu); 614-292-3307; [slds.osu.edu](http://slds.osu.edu); 098 Baker Hall, 113 W. 12th Avenue.

### **Mental Health Statement**

As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance or reduce a student's ability to participate in daily activities. The Ohio State University offers services to assist you with addressing these and other concerns you may be experiencing. If you or someone you know are suffering from any of the aforementioned conditions, you can learn more about the broad range of confidential mental health services available on campus via the Office of Student Life's Counseling and Consultation Service (CCS) by visiting [ccs.osu.edu](http://ccs.osu.edu) or calling 614 -292-5766. CCS is located on the 4th Floor of the Younkin Success Center and 10th Floor of Lincoln Tower. You can reach an on-call counselor when CCS is closed at 614 -292-5766 and 24-hour emergency help is also available through the 24/7 National Suicide Prevention Hotline at 1- 800 -273-TALK or at [suicidepreventionlifeline.org](http://suicidepreventionlifeline.org).

### **Title IX Statement**

Title IX makes it clear that violence and harassment based on sex and gender are Civil Rights offenses subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories (e.g., race). If you or someone you know has been sexually harassed or assaulted, you may find the appropriate resources at <http://titleix.osu.edu> or by contacting the Ohio State Title IX Coordinator, Kellie Brennan, at [titleix@osu.edu](mailto:titleix@osu.edu)

### **Diversity Statement**

The Ohio State University affirms the importance and value of diversity in the student body. Our programs and curricula reflect our multicultural society and global economy and seek to provide opportunities for students to learn more about persons who are different from them. We are committed to maintaining a community that recognizes and values the inherent worth and dignity of every person; fosters sensitivity, understanding, and mutual respect among each member of our community; and encourages each individual to strive to

reach his or her own potential. Discrimination against any individual based upon protected status, which is defined as age, color, disability, gender identity or expression, national origin, race, religion, sex, sexual orientation, or veteran status, is prohibited.

### **Committee on Academic Misconduct Statement**

All students should become familiar with the rules governing academic misconduct, especially as they pertain to plagiarism and cheating. Ignorance of the rules is not an excuse and all alleged cases of academic misconduct will be reported to the Committee on Academic Misconduct ([COAM](#)).

It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term “academic misconduct” includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-487). For additional information, see the Code of Student Conduct <http://studentlife.osu.edu/csc/>.

## TENTATIVE COURSE SCHEDULE

<b>Week</b>	<b>Content</b>	<b>Assignment</b>	<b>Learning Outcome(s)</b>
1	Conceptual frameworks	WHA: History of anthropological theory, Addendum	B1a, B1e-f, B2a, B3a
2	Historical materialism	WHA: History of anthropological theory, Addendum	B1a-b, B1d-f, B2a-b, B3a-d
3	Cultural ecology	WHA: Critical analysis of anthropological theory, Addendum	B1a-b, B1d-f, B2a-b, B3a-d
4	Behavioral ecology	WHA: Critical analysis of anthropological theory, Addendum	B1a-b, B1d-f, B2a-b, B3a-d
5	Cultural niche construction	WHA: History of anthropological theory, Addendum	B1a-b, B1d-f, B2a-b, B3a-d
6	Environmental archaeology	WHA: Anthropological perspectives, Addendum	A1a – A5e, B2a-b, B3a-d
7	Landscape archaeology	WHA: History of anthropological theory, Addendum	B1a-b, B1d-f, B2a-b, B3a-d
8	Historical ecology	HW WHA Critical analysis of anthropological theory, Addendum	B1a-b, B1d-f, B2a-b, B3a-d
9	Cultural landscapes	WHA: Critical analysis of anthropological theory, Addendum	B1a-b, B1d-f, B2a-b, B3a-d
10	Political ecology	WHA: Paradigm detection, Addendum	B1c, B2a-b, B3a-d
11	Post-structuralism	WHA: Linking theory to research, Addendum	B2a-d, B3a-d
12	Anthropocene	Peer review, Addendum	F1c, F1d, B3a-d, B2a-b
13	Complex adaptive systems	WHA: What is hot?, Addendum	A1b, B3a-b, B1e
14	Resilience and sustainability	WHA: Theory and current conditions, Addendum	B1a-c, B2a-b, B2d, B3a-d
Exam Week		Term paper	B1d-e, B2a-d, B3a-d

## **TENTATIVE SCHEDULE WITH COURSE READINGS**

### **W1. Conceptual frameworks**

Ravitch, Sharon M., and Matthew Riggan. 2012. Reason & Rigor: How conceptual frameworks guide research. Los Angeles (CA): Sage.

Shore, Zachary. 2016. Grad School Essentials: A crash course in scholarly skills. Berkeley (CA): University of California Press.

### **W2. Historical materialism**

Marx, K. [Selections from Grundrisse]

Childe, V.G. 1963 (1951) Social evolution. Pp. 13-27

### **W3. Cultural ecology**

Steward, Julian. 2000. The patrilineal band. In McGee & Warms (Eds.), Anthropological theory: An introductory history (pp. 228-242). McGraw Hill.

Orr, Yancey, J. Stephen Lansing, and Michael R. Dove. 2015. Environmental anthropology: systemic perspectives." Annual Review of Anthropology 44: 153-168.

Orlove, Benjamin S. 1980. Ecological anthropology. Annual review of anthropology 9: 235-273.

### **W4. Behavioral ecology**

Zeanah, David W. 2017. Foraging Models, Niche Construction, and the Eastern Agricultural Complex. American Antiquity 82:3-24.

Stiner, Mary C. and Steven L. Kuhn. 2016. Are we missing the "sweet spot" between optimality theory and niche construction theory in archaeology? Journal of Anthropological Archaeology.

Bird, Douglas and James O'Connell. 2012. Human Behavioral Ecology. In Archaeological Theory Today, edited by Ian Hodder, pp. 37-61. Polity Press, Cambridge.

Mohlenhoff, K. A. and B. F. Coddling. 2017. When does it pay to invest in a patch? The evolution of intentional niche construction. Evolutionary Anthropology 26:218-227.

## **W5. Cultural niche construction**

Smith, Bruce D. 2009. Resource Resilience, Human Niche Construction, and the Long-Term Sustainability of Pre-Columbian Subsistence Economies in the Mississippi River Valley Corridor. *Journal of Ethnobiology* 29:167-183.

Laland, Kevin, Blake Matthews and Marcus W. Feldman. 2016. An Introduction to Niche Construction Theory. *Evolutionary Ecology* 30:191-202.

Bird, Douglas W., Rebecca Bliege Bird, Brian F. Coddington, and Nyalangka Taylor. 2016. A Landscape Architecture of Fire: Cultural Emergence and Ecological Pyrodiversity in Australia's Western Desert. *Current Anthropology* 57 (S13): S65-S79.

Laland, Kevin N., and Michael J. O'Brien. 2010. Niche Construction Theory and Archaeology. *Journal of Archaeological Method and Theory* 17 (4):303-322.

## **W6. Environmental anthropology**

Vita-Finzi & Higgs 1970 Prehistoric economy in the Mt. Carmel area... *Proceedings of the Prehistoric Society* 36

## **W7. Landscape archaeology**

Leone, Mark 1984 in Miller & Tilley, *Ideology, Power, & Prehistory*;

Cosgrove, D.E. 1984 *Social Formation & Symbolic Landscape*;

Tilley, Christopher 1994 *A Phenomenology of Landscape* Ch 2, 3-4

## **W8. Historical Ecology**

Balée, William. 2006. The Research Program of Historical Ecology. *Annual Review of Anthropology* 35: 75-98.

Hayashida, Francis M. 2005. Archaeology, Ecological History, and Conservation. *Annual Review of Anthropology* 34: 43-65.

Posey, D.A., 1985. Indigenous Management of Tropical Forest Ecosystems: The Case of the Kayapo Indians of the Brazilian Amazon. *Agroforestry Systems* 3(2): 139-158.

## **W9. Cultural landscapes**

Willow, Anna J. 2012. *Strong Hearts, Native Lands: The Cultural and Political Landscape of Anishinaabe Anti-Clearcutting Activism*. Albany: State University of New York Press.

Basso, Keith H. 1996. *Wisdom sits in places: landscape and language among the Western Apache*. Albuquerque (NM): University of New Mexico Press.

## **W10. Political ecology (structural)**

Rosenzweig, Melissa S. 2016. Cultivating Subjects in the Neo-Assyrian Empire. *Journal of Social Archaeology* 16(3): 307-334.

## **W11. Political ecology (post-structural)**

Biersack, Aletta. 2006. Reimagining Political Ecology: Culture/Power/History/Nature. *Reimagining Political Ecology*: 3-40.

Marcos, Subcomandante. 2002. *Our Word Is Our Weapon: Selected Writings*. New York: Seven Stories Press.

## **W12. Anthropocene**

Franklin, Adrian. 2008. A Choreography of Fire: A Posthumanist Account of Australians and Eucalypts. *In The Mangle in Practice: Science, Society, and Becoming*, A. Pickering and K. Guzik, eds. Durham, NC: Duke University Press.

Sagan, Dorion. 2011. The Human is More than Human: Interspecies Communities and the New 'Facts of Life.' *In American Anthropological Association Meeting, Montreal, QC, November*.

Tsing, Anna. 2012. Unruly Edges: Mushrooms as Companion Species: for Donna Haraway. *Environmental Humanities* 1(1):141-154.

Kawa, Nicholas C. 2016. *Amazonia in the Anthropocene: People, Soils, Plants, Forests*. Austin (TX): University of Texas Press.

### **W13. Complex adaptive systems**

Holland, J. H. 1992. Complex adaptive systems. *Daedalus*, 121(1), 17-30.  
doi:10.2307/2002541

Lansing, J. S. & S. Downey. 2011. Complexity in anthropology. In Hooker (Ed.), *Handbook of the philosophy of science*, vol. 10 -- philosophy of complex systems. Elsevier

Lansing, J. S. 2003. Complex adaptive systems. *Annual Reviews in Anthropology*, 32(1), 183-204.

Kennett, D. J., et al. 2012. Development and disintegration of Maya political systems in response to climate change. *Science* 338:788-791.

Kohler, Timothy A., et al. 2012. Modelling prehispanic Pueblo societies in their ecosystems. *Ecological Modelling* 241:30-41.

### **W14. Resilience and Sustainability**

Holling CS. 1973. Resilience and stability of ecological systems. *Annual Review of Ecological Systems* 4:1-23

Holling, C. S., & Gunderson, L. H. 2002. Resilience and adaptive cycles. In L. H. Gunderson & C. S. Holling (Eds.), *Panarchy: Understanding transformations in human and natural systems* (pp. 25-62). Washington, DC: Island Press

Downey, Sean S., W. Randall Haas, and Stephen J. Shennan. 2016. European Neolithic societies showed early warning signals of population collapse. *Proceedings of the National Academy of Sciences* 113.35 (2016): 9751-9756.

Adams, Robert McC. 1978. Strategies of Maximization, Stability, and Resilience in Mesopotamian Society, Settlement, and Agriculture. *Proceedings of the American Philosophical Society* 122:329-335.

Stiner, Mary C. and Steven L. Kuhn. 2006. Changes in the "Connectedness" and resilience of paleolithic societies in Mediterranean ecosystems. *Human Ecology* 34:693-712.

### **W15. Synthesis**

Fuentes, A. 2016. The Extended Evolutionary Synthesis, Ethnography, and the Human Niche: Toward an Integrated Anthropology. *Current Anthropology* 57, S13.

Bird, Rebecca Bliege. 2015. Disturbance, Complexity, Scale: New Approaches to the Study of Human-Environment Interactions. *Annual Review of Anthropology* 44 (1):241-257.

## ALIGNED PROGRAM GOALS, LEARNING OUTCOMES AND PROFICIENCIES

A. = program goal

1. = learning outcome

a. = proficiency

### **A. Students will be able to think like an anthropologist by embracing a comparative, holistic, relativistic, biocultural, and reflexive approach.**

7. Explain what culture is and how it shapes humans experience, perception and action in the world.
  - a. Describe anthropological definition of the culture concept (e.g., learned, dynamic, shared, tacit). (B/I)
  - b. Analyze how culture shapes their lives and that of others around them. (A)
8. Interpret and represent other cultures without judging them by the standards of their own culture.
  - a. Recognize own beliefs and practices as cultural. (B)
  - b. Recognize that their own beliefs and practices are not “normal”. (B)
  - c. Recognize cultural differences between individuals and groups. (B)
  - d. Interpret cultural differences as differences and not as deficits. (I)
  - e. Represent other cultural beliefs and practices with respect. (A)
9. Explain how elements of culture are interrelated and should be understood within context.
  - a. Identify examples of how elements of cultures are interrelated (e.g., relationship between modes of subsistence and gender status). (B/I)
  - b. Analyze cultural phenomena holistically, i.e., studying it within local, global, and historical contexts. (A)
10. Consider the range of human variation when studying human behavior and biology.
  - a. Describe anthropological concepts that can be applied cross-culturally (e.g., anthropological description of marriage). (B)
  - b. Identify examples to show the range of human variation as well as to illustrate anthropological concepts. (B)
  - c. Apply relevant theoretical concepts in anthropology to describe human cultural and biological variation. (I)
  - d. Provide theoretical explanations for cross-cultural variation. (A)
11. Explain how humans are a product of evolutionary and cultural processes.
  - a. Recognize how humans are the product of biological evolutionary processes. (B)
  - b. Recognize how humans are the product of cultural processes. (B)
  - c. Analyze how the interaction between biology and culture shapes humans. (I)
  - d. Combine biological and cultural approaches to describe and explain human diversity in the past and present. (A)
  - e. Appreciate the contributions of the different anthropological subfields to the study of human diversity. (A)



**B. Students will understand how anthropologists use and have used theory to describe and explain the world.**

4. Evaluate the history of the main theoretical paradigms in anthropology.
  - a. Summarize the history and development of anthropological theory. (B)
  - b. Recognize theoretical frameworks in anthropological literature. (B)
  - c. Identify current theoretical debates of anthropology. (I)
  - d. Evaluate various strengths and weaknesses of anthropological theories. (I)
  - e. Make connections between theories from different subfields. (A)
  - f. Recognize that writing the history of anthropology is an interpretive exercise. (A)
5. Connect anthropological theories to research endeavors.
  - a. Examine how theoretical frameworks shape research questions. (B)
  - b. Appreciate the contributions of different theoretical frameworks. (I)
  - c. Evaluate how multiple theoretical frameworks can be used to address a research question. (A)
  - d. Connect appropriate anthropological theories to meaningful research questions. (A)
6. Construct their own conceptual framework drawing from anthropological (and other) theories.
  - a. Reflect on their own worldviews. (B)
  - b. Compare own worldviews with theoretical paradigms. (B)
  - c. Construct their own conceptual framework integrating relevant theoretical paradigms. (A)
  - d. Articulate clearly their own conceptual framework. (A)

**F. Meet ethical, collegial, and professional expectations in research, teaching, collaboration, and other professional endeavors.**

1. Plan a career
- d. Follow ethical and professional guidelines defined by the professional associations relevant to the student's career. (I)
- e. Foster collegial relationships. (A)

# **ANTHROPOLOGY 7701**

## **THEORY 2:**

# **ANTHROPOLOGICAL APPROACHES TO HEALTH**

Instructor: Brutus Buckeye

Autumn 2020

brutus.1@osu.edu

Hours of instruction: TR 11:10 – 12:30

4034 Smith Laboratory

Classroom: Smith Lab 4094

Tel. (614) 292-4149

Office hours: W 12-3 PM or by appointment

### **COURSE DESCRIPTION**

This course provides an overview of major theories, paradigms and approaches that have shaped anthropological research on the physical, biological, social and cultural factors that shape human health in the past and present. The goal of this course is to provide students with an understanding of how anthropologists define and study health. The course is structured to encourage students to think theoretically and innovatively and to encourage them to apply knowledge and perspectives from across the sub-fields of anthropology in their own research.

### **COURSE GOAL AND LEARNING OUTCOMES**

3. Explain what culture is and how it shapes humans experience, perception and action in the world.
4. Interpret and represent other cultures without judging them by the standards of their own culture.
5. Explain how elements of culture are interrelated and should be understood within context.
6. Consider the range of human variation when studying human behavior and biology.
7. Explain how humans are a product of evolutionary and cultural processes.
8. Critically assess how privilege and power structures interact with biological, cultural, and social systems.
9. Evaluate the history of the main theoretical paradigms in anthropology.
10. Connect anthropological theories to research endeavors

11. Construct their own conceptual framework drawing from anthropological (and other) theories
12. Meet ethical, collegial, and professional expectations in and outside the classroom.

## READINGS

Most of the required readings will be made available through Carmen. Others will need to be purchased. You are expected to have read the assigned readings before you come to class. As you read, highlight, take notes, summarize, look up new words or concepts, and come with questions for me and/or your classmates. In short, be prepared to discuss the readings in class and bring the readings to class. I recommend you review the readings once more after class.

## LEARNING OUTCOMES

The goal is to train students to think theoretically as anthropologists, i.e., understand how anthropologists use theory to describe and explain human biological diversity, with an emphasis on health, and this entails the following:

1. Explain what culture is and how it shapes humans experience, perception and action in the world.
  - a. Describe anthropological definition of the culture concept (e.g., learned, dynamic, shared, tacit). (A1a)
  - b. Analyze how culture shapes their lives and that of others around them. (A1b)
2. Interpret and represent other cultures without judging them by the standards of their own culture.
  - a. Recognize own beliefs and practices as cultural. (A2a)
  - b. Recognize that their own beliefs and practices are not “normal”. (A2b)
  - c. Recognize cultural differences between individuals and groups. (A2c)
  - d. Interpret cultural differences as differences and not as deficits. (A2d)
  - e. Represent other cultural beliefs and practices with respect. (A2e)
5. Explain how elements of culture are interrelated and should be understood within context.
  - a. Identify examples of how elements of cultures are interrelated (e.g., relationship between modes of subsistence and gender status). (A3a)
  - b. Analyze cultural phenomena holistically, i.e., studying it within local, global, and historical contexts. (A3b)
6. Consider the range of human variation when studying human behavior and biology.
  - a. Describe anthropological concepts that can be applied cross-culturally (e.g., anthropological description of marriage). (A4a)

- b. Identify examples to show the range of human variation as well as to illustrate anthropological concepts. (A4b)
  - c. Apply relevant theoretical concepts in anthropology to describe human cultural and biological variation. (A4c)
  - d. Provide theoretical explanations for cross-cultural variation. (A4d)
- 7. Explain how human diversity is a product of evolutionary and cultural processes.
  - a. Recognize how humans are the product of evolutionary processes. (A5a)
  - b. Recognize how humans are the product of cultural processes. (A5b)
  - c. Analyze how the interaction between biology and culture shapes humans. (A5c)
  - d. Combine biological and cultural approaches to describe and explain human diversity in the past and present. (A5d)
  - e. Appreciate the contributions of the different anthropological subfields to the study of human diversity. (A5e)
- 8. Critically assess how privilege and power structures interact with biological, cultural, and social systems.
  - a. Recognize inequalities within and among human societies. (A6a)
  - b. Identify the ways in which inequity interacts with biological, cultural, and social systems. (A6b)
  - c. Analyze how intersecting systems of oppression influence the lived experience of marginalized individuals and groups. (A6c)
  - d. Engage with the voices of historically excluded scholars and perspectives. (A6d)
- 9. Evaluate the history of the main theoretical paradigms in anthropology.
  - a. Summarize the history and development of anthropological theory. (B1a)
  - b. Recognize theoretical frameworks in anthropological literature. (B1b)
  - c. Identify current theoretical debates of anthropology. (B1c)
  - d. Evaluate various strengths and weaknesses of anthropological theories. (B1d)
  - e. Make connections between theories from different subfields. (B1e)
  - f. Recognize that writing the history of anthropology is an interpretive exercise. (B1f)
- 10. Connect anthropological theories to research endeavors.
  - e. Examine how theoretical frameworks shape research questions. (B2a)
  - f. Appreciate the contributions of different theoretical frameworks. (B2b)
  - g. Evaluate how multiple theoretical frameworks can be used to address a research question. (B2c)
  - h. Connect appropriate anthropological theories to research questions. (B2d)
- 9. Construct their own conceptual framework drawing from anthropological (and other) theories.
  - a. Reflect on their own worldviews. (B3a)
  - b. Compare own worldviews with theoretical paradigms. (B3b)
  - c. Construct their own conceptual framework integrating relevant theoretical paradigms. (B3c)
  - d. Articulate clearly their own conceptual framework. (B3d)
- 11. Meet ethical, collegial, and professional expectations in and outside the classroom.

- a. Follow ethical and professional guidelines defined by the professional associations relevant to the student's career. (F1c)
- b. Foster collegial relationships by sharing learning strategies and supporting fellow students. (F1d)

## **ASSESSMENT OF LEARNING OUTCOMES**

**Seminar.** In this seminar our goals are to: (1) explore the history of the study of modern human variation, especially in terms of health, in effort to appreciate how our understanding has evolved; (2) become familiar with the newest theoretical frameworks from biological and medical anthropology used to explain modern human variation in health; (3) survey the physical, biological, social and cultural factors known to shape human health and observed variation in health including the mechanisms at work; (4) become familiar with the study designs and methods used to study modern human health variation and; (5) gain a better appreciation for the fields of human biology and medical anthropology and its contributions to anthropology.

Seminars are an opportunity to engage with material in a more advanced manner – through active participation and discussion, rather than passive learning. For this educational model to work, we all must come prepared to engage with the material. This means we have carefully and critically read all the assigned readings in advance and have prepared questions and points of discussion to use to engage with our colleagues.

Furthermore, we should treat the classroom is a learning environment. To maintain that environment, we must be respectful of one another's ideas, effort and time. It is critical that we be respectful of different opinions and engage in civil discussion, especially as we debate ideas. This is essential for the learning process. As is the case in most courses, people's accumulated knowledge on the subjects covered will vary. It is both your and my job to ensure you have an accurate understanding of the material covered. It is ok to be wrong – but we must be willing to confront and correct these misunderstandings and in class discussion is an excellent opportunity to accomplish this important task. Everyone is responsible for making the workshop an effective learning activity. This entails not only talking, but also listening, and encouraging others to participate. **F1d**

**Addendum.** At the end of every week – before Friday midnight – students have to submit a one-page reflection on what they learned that week from reading, writing, and seminar discussion. The goal of the assignment is for students to develop their own conceptual framework drawing from the anthropological theories discussed in the course and prepare for the term paper. **B2a-b, B3a-d**

**Weekly Homework Assignments (WHA).** Every week students will complete one written homework assignment in which they can practice and demonstrate one or more learning outcomes. The homework assignments below are examples of the types of assignments that instructors can use to assess student learning.

**WHA: Anthropological Perspectives.** You will write a short essay in which you (1) explain what the value of an anthropological approach is; and (2) how you will use the different anthropological perspectives in your own research, teaching, and professional career. The essay should be no longer than 4 double-spaced pages. **A1a - A5e**

**WHA: Critical analysis of anthropological theory.** In this homework assignment, students will use the following set of instructions to critically analyze the readings for that particular week: (1) explain the theoretical framework and its major concepts; (2) discuss the strengths and weaknesses of the theoretical framework and its contribution to the discipline of anthropology; (3) discuss how this theoretical framework can be used to study the student's selected topic; and (4) discuss how different writers assess the theoretical framework. Students are advised to consult secondary sources to complete this homework assignments. Secondary sources can be review articles, or chapters in a textbook or an encyclopedia. Students will avoid paraphrasing and quotations – in other words, they will strive to describe and explain these theoretical concepts and frameworks in their own words. **A6a-d, B1a-b, B1d-f**

**WHA: History of anthropological theory.** This homework assignment prompts students to connect the history of anthropology to broader histories of social and epistemological frameworks (in humanism and in science). For in-class presentation, students will select a work of art broadly defined—painting, film, photograph, music, literature. The presentation will be accompanied by a one-page review that describes how that historical artwork (representing between 1770 and 1970) reflects or amplified intellectual and social trends of its time (or of the time represented) and how, in turn those trends are represented in seminal anthropological works of that time. An example might be the film "Angels & Insects" and its portrayal of the broader context in which evolutionary theory and the Ascent of Man was conceived. **A6a-d, B1a, B1e-f, B2a, B3a**

**WHA: What is hot?** The goal of this homework assignment is to find out what are the "hot" theoretical paradigms of today, i.e., what are popular, contemporary theoretical

paradigms or concepts? Contemporary means in the last 5-10 years. In the essay, students will: (1) discuss the research strategies that they used to figure out what is "hot"; (2) describe the main players or theorists; (3) explain the theoretical paradigms and the questions they address; (4) discuss the strengths and weaknesses of theoretical paradigms; (5) discuss how it builds on earlier theoretical paradigms; and (6) explain contributions of paradigms to the discipline of anthropology. **A6a-d, B1a-c, B2a-b, B2d**

**WHA: Theory and current conditions** This assignment builds on the History of Anthropological Theory with students selecting an artwork (conceived broadly) of the past three to five years for in-class presentation. The presentation will be accompanied by a one-page essay that describes how that artwork reflects or amplifies intellectual and socio-economic trends current today. In recursive class discussion and with other exercises, this activity explores how these trends are influential in and impacted by anthropology. **A1b, A6a-d, B3a-b, B1e**

**WHA: Paradigm detection.** In this homework assignment, students will select one recent article from a faculty member in the department that was published in the last five years and identify the theoretical paradigm(s) that are used explicitly and implicitly in the article. Students will write a two-page analysis of the selected article where they (1) explain how they detected the paradigms (e.g., terminology, theorists, questions, explanations, concepts, approaches, citations); and (2) explain how the paradigm shaped the methods and data interpretation in the article. **B1c, B2a-b**

**WHA: Linking theory to research.** In this homework assignment, students will use the following set of instructions to critically analyze the readings for that particular week: (1) explain the theoretical framework and its major concepts; (2) discuss how the theoretical frameworks shapes empirical research in the assigned research article, for example, how it shapes the research questions, research design, sampling strategies, methods used, data collected, and/or how the data is used to answer the research questions; (3) discuss how the theoretical concepts or frameworks can shape their own research project and/or generate meaningful research questions about you topic. Here too, students have to paraphrase and avoid quotations – in other words, they have to describe and explain these theoretical concepts and frameworks in their own words. **A6a-d, B2a-d**

**Peer review.** In week 12, students will review the first draft of the term paper of one of their peers. Detailed instructions for peer-review will be made available to the students, drawing

from instructions from professional journals and publishers (e.g., Elsevier) and the rubric for the term paper. The reviewer should provide critical and constructive feedback for the author, but in the final paragraph of the review should describe what the reviewer learned from reviewing. The goal of the peer review is for students to develop supportive professional habits and relationships with their peers. **F1c, F1d.**

**Term paper.** The capstone assignment for this course is a term paper in which students draw on theoretical frameworks covered in the course (and others) to develop their conceptual framework and research project. In the term paper, students should: (1) explain what a conceptual framework is; (2) describe clearly their own conceptual framework; (3) convince the reader of the importance of the topic and (4) the rigor of methodology. In addition, students should be discussing (5) how different theoretical frameworks yield different understandings of the topic and (6) what the advantages and disadvantages are of using different theoretical frameworks. Students will use frameworks from their own subfields, but also those from other subfields (and, potentially, disciplines). The term paper should be no longer than 15 pages double-spaced. The term paper should align with the students' research interests and advance their dissertation research. It may be preparation for their doctoral exam. **B1d-e, B2a-d, B3a-d**

**Evaluation:** Course responsibilities will be weighted in the following way:

1. Weekly homework assignments (WHA)(n=14)	30%
2. Seminar participation	10%
3. Peer review	10%
4. Addenda (n=14)	15%
5. Term paper	35%
<b>Total</b>	<b>100%</b>

Final grades are based on the OSU Standard Scheme. A general guide to how you are doing is: A 93; A- 90-92; B+ 87-89; B 83-86; B- 80-82; C+ 77-79; C 73-76; C- 70-72; D+ 67-69; D 60-66; E < 60.

## UNIVERSITY STATEMENTS



## **Office of Disability Services Statement**

The University strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including mental health, chronic or temporary medical conditions), please let me know immediately so that we can privately discuss options. To establish reasonable accommodations, I may request that you register with Student Life Disability Services. After registration, make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. SLDS contact information: [slds@osu.edu](mailto:slds@osu.edu); 614-292-3307; [slds.osu.edu](http://slds.osu.edu); 098 Baker Hall, 113 W. 12th Avenue.

## **Mental Health Statement**

As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance or reduce a student's ability to participate in daily activities. The Ohio State University offers services to assist you with addressing these and other concerns you may be experiencing. If you or someone you know are suffering from any of the aforementioned conditions, you can learn more about the broad range of confidential mental health services available on campus via the Office of Student Life's Counseling and Consultation Service (CCS) by visiting [ccs.osu.edu](http://ccs.osu.edu) or calling 614 -292- 5766. CCS is located on the 4th Floor of the Younkin Success Center and 10th Floor of Lincoln Tower. You can reach an on-call counselor when CCS is closed at 614 -292- 5766 and 24-hour emergency help is also available through the 24/7 National Suicide Prevention Hotline at 1- 800 -273-TALK or at [suicidepreventionlifeline.org](http://suicidepreventionlifeline.org).

## **Title IX Statement**

Title IX makes it clear that violence and harassment based on sex and gender are Civil Rights offenses subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories (e.g., race). If you or someone you know has been sexually harassed or assaulted, you may find the appropriate resources at <http://titleix.osu.edu> or by contacting the Ohio State Title IX Coordinator, Kellie Brennan, at [titleix@osu.edu](mailto:titleix@osu.edu)

## **Diversity Statement**

The Ohio State University affirms the importance and value of diversity in the student body. Our programs and curricula reflect our multicultural society and global economy and seek to provide opportunities for students to learn more about persons who are different from them. We are committed to maintaining a community that recognizes and values the inherent worth and dignity of every person; fosters sensitivity, understanding, and mutual respect among each member of our community; and encourages each individual to strive to reach his or her own potential. Discrimination against any individual based upon protected status, which is defined as age, color, disability, gender identity or expression, national origin, race, religion, sex, sexual orientation, or veteran status, is prohibited.

## **Committee on Academic Misconduct Statement**

All students should become familiar with the rules governing academic misconduct, especially as they pertain to plagiarism and cheating. Ignorance of the rules is not an excuse and all alleged cases of academic misconduct will be reported to the Committee on Academic Misconduct ([COAM](#)).

It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term “academic misconduct” includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-487). For additional information, see the Code of Student Conduct <http://studentlife.osu.edu/csc/>.

**TENTATIVE COURSE SCHEDULE**

<b>Week</b>	<b>Content</b>	<b>Assignment</b>	<b>Learning Outcome(s)</b>
1	Overview/Fundamentals	Addendum	A4b,c, A5a,
2	Evolutionary Approaches I	WHA: History Anthropological Theory, Addendum	A1b, A4a-d, A5a-e, B1a,b,d,e,g, B2a
3	Evolutionary Approaches II	WHA: What is hot?, Addendum	A1b, A4a-d, A5a-e, B1a,b,d,e,g, B2a
4	Life course approaches I	WHA: Anthropological perspective I, Addendum	A1b, A4a-d, A5a-d, B1a,b,d, B2a,d
5	Life course approaches II	WHA:, Anthropological perspective, Addendum	A1b, A4a-d, A5a-d, B1a,b,d, B2a,d
6	Life course approaches III	WHA: What is hot?, Addendum	A1b, A4a-e, A5a-e, B1a,b,c,d, B2a,d
7	Ecological approaches I	WHA: Theory and current conditions, Addendum	A1b, A4a-e, A5a-e, B1a,b,c,d, B2a,d
8	Ecological approaches II	WHA: Theory and current conditions, Addendum	A1a,b, A3a,b, A4a-e, A5b-e, A6a-d, B1a-e, B2a-d
9	Ecological approaches III	WHA: Critical analysis theory, Addendum	A1a,b, A2a-e, A4a-e, A5a-e, A6a-d, B1a-e, B2a-d
10	Social determinants of health	WHA: What is hot?, Addendum	A1a,b, A2a-e, A4a-e, A5a-e, A6a-d, B1a-e, B2a-d
11	Sociocultural approaches I	WHA: Paradigm detection, Addendum	B2a-d, F1a,b
12	Peer Review	WHA: Link theory to research	A3a,b, A4a-d, A5a-e A6a-d, B1a-e,

13	Sociocultural approaches II	WHA: Paradigm detection, Addendum	A3a,b, A4a-d, A5a-e A6a-d, B1a-e,
14	Semiotic approaches	WHA: Critical analysis theory, Addendum	A3a,b, A4a-d, A5a-e A6a-d, B1a-e,
15	Applied Medical Anthropology	WHA: Theory and current conditions, Addendum	A1a,b, A2a-e, A6a-e,
Exam Week		Term paper	B1a-f, B2a-d, B3a-d

### **TENTATIVE READING SCHEDULE**

#### **W1. Overview of course and fundamentals**

##### **[Defining health, anthropological perspectives on health]**

1. Defining health
2. Anthropological perspectives on health 1
3. Anthropological perspectives on health 2
4. Anthropological perspectives on health 3
5. Stinson S, Bogin B, O'Rourke D, Huss-Ashmore R. 2012. Human biology: an evolutionary and biocultural approach. In: Stinson S, Bogin B and O'Rourke D, editors. Human Biology: An Evolutionary and Biocultural Perspective. pp. 3-22.

#### **W2. Evolutionary Approaches to Health I**

##### **[fundamentals of evolutionary thinking, applications to health]**

6. Fundamentals of evolutionary thinking in health
7. Measuring health in the past
8. Health transitions in past: infectious disease I
9. Health transitions in past: infectious disease II
10. Health transitions in past: diet I
11. Health transitions in past: diet II
12. Tishkoff SA et al. 2007. Convergent adaptation of human lactase persistence in Africa and Europe. Nature Genetics 39: 31-40.
13. Scott-Phillips TC, Laland KN, Shuker DM, Dickins TE, West SA. 2014. The niche construction perspective: a critical appraisal. Evolution, 68(5): 1231-1243.

14. Laland KN, Odling-Smee J, Myles S. 2010. How culture shaped the human genome: bringing genetics and the human sciences together. *Nature Reviews Genetics*, 11(2): 137-148.

### **W3. Evolutionary Approaches to Health II**

#### **[Evolutionary Medicine, the application of evolutionary theory to modern human health]**

15. Fundamentals of evolutionary medicine [Book]
16. Application of Evolutionary medicine - infectious disease
17. Application of Evolutionary medicine anatomical/physiological compromise
18. Evolutionary medicine - mismatch and diet
19. Evolutionary medicine in the clinic

### **W4: Life course approaches to health I**

#### **[Life history theory and health]**

20. Bogin B, Smith H. 2012. Evolution of the human life cycle. In: Stinson S, Bogin B and O'Rourke D, editors. *Human Biology: An Evolutionary and Biocultural Perspective*. pp. 515-586. [human baseline]
21. Hill K, Kaplan H. 1999. Life history traits in humans: theory and empirical studies. *Annual Review of Anthropology*, 28(1): 397-430. [basics / tradeoffs]
22. Life history theory – application to health (maintenance / child growth) - McDade
23. Life history theory – application to health (reproductive effort) – Ellison
24. Life history theory – application to health (reproductive effort) – Dufour and Sauter
25. Dettwyler KA. 1995. A time to wean: the hominid blueprint for the natural age of weaning in modern human populations. In: P Stuart-Macadam and Dettwyler KA, editors. *New York: Aldine de Gruyter*. pp 39-74.
26. Hawkes K, O'Connell JO, Blurton Jones NG, Alvarez H, Charnov EL. 1998. Grandmothering, menopause, and the evolution of human life histories. *Proceedings of the National Academy of Sciences* 95: 1336-1339.

### **W5. Life course Approaches to Health II**

#### **[Developmental origins of health and disease]**

27. Barker, D. J. P. 2004. The developmental origins of well-being. *Philosophical Transactions of the Royal Society of London. Series B: Biological Sciences*, 359, 1359-1366.23.
28. Recent work on developmental origins - disease
29. Recent work on developmental origins – reproduction
30. Recent work on developmental origins – critical approaches (adversity)

### **W6: Life course Approaches to Health III**

### **[Epigenetics in anthropology]**

31. Epigenetics background and mechanisms
32. Epigenetics as explanatory mechanism for variation in health
33. Epigenetics in anthropology I
34. Epigenetics in anthropology II
35. Lock M. 2015. Comprehending the Body in the Era of the Epigenome. *Current Anthropology* 56(2): 151-163.

### **W7: Ecological approaches to health I**

#### **[Human adaptability fundamentals]**

36. Lasker G. 1969. Human adaptability. *Science* 166(3912): 1480-1486.
37. Katzmarzyk PT, Leonard W. 1998. Climatic influences of human body size and proportions: ecological adaptations and secular trends. *American Journal of Physical Anthropology* 106:483-503.
38. Jablonski N, Chaplin G. 2000. The evolution of human skin color. *Journal of Human Evolution* 39:57-109.
39. Beall CM. 2007. Two routes to functional adaptation: Tibetan and Andean high altitude natives *Proceedings of the National Academy of Sciences* 104: 8655-8660.
40. Human adaptability readings on malaria I: Livingstone
41. Human adaptability readings on malaria: G6PD-deficiency

### **W8: Ecological approaches to health II**

#### **[Critical perspectives, political economy]**

42. Colson, A.C. and Selby, K.E., 1974. Medical anthropology. *Annual Review of Anthropology*, 3(1), pp.245-262.
- Singer, M., 1989. The coming of age of critical medical anthropology. *Social Science & Medicine*, 28(11), pp.1193-1203.
43. Leatherman, T., & Goodman, A. H. 2011. Critical biocultural approaches in medical anthropology. In M. Singer & P. I. Erickson (Eds.), *A Companion to Medical Anthropology* (pp. 29–48). Malden, MA: Wiley-Blackwell.
44. McElroy, A. 1996. Should medical ecology be political? *Medical Anthropology Quarterly*, 10(4), 519-522.
45. Singer M. 1996. Farewell to adaptationism: unnatural selection and the politics of biology. *Medical Anthropology Quarterly* 10(4): 496-515.
46. Wiley, A. S. 1992). Adaptation and the biocultural paradigm in medical anthropology: a critical review. *Medical Anthropology Quarterly*, 6(3), 216-236.
47. Farmer AIDS and Accusation: Haiti and the Geography of Blame.

### **W9. Ecological approaches to health III**

### **[Political Ecology, Syndemics]**

48. Singer M, Clair S. 2003. Syndemics and public health: reconceptualizing disease in bio-social context. *Medical Anthropology Quarterly* 17: 423-441.
49. Baer, H. and Singer, M., 2016. *Global warming and the political ecology of health: Emerging crises and systemic solutions*. Routledge.
50. Nading, A.M., 2014. *Mosquito trails: Ecology, health, and the politics of entanglement*. Univ of California Press.

### **W10. Social Determinants of health**

#### **[Embodiment and anthropological critique of bio-determinism]**

51. Csordas, T., J. 1990. Embodiment as a paradigm for anthropology. *Ethos*, 18(1), 5-47.
52. Krieger, N. 2005. Embodiment: a conceptual glossary for epidemiology. *Journal of Epidemiology and Community Health*, 59(5), 350-355.
53. Krieger, N. & Davey Smith, G. (2004). "Bodies count," and body counts: social epidemiology and embodying inequality. *Epidemiologic Reviews*, 26, 92-103.
54. Csordas, T. J. 1993. Somatic modes of attention. *Cultural Anthropology*, 8(2), 135-156.
55. Gravlee, C. C. 2009. How race becomes biology: embodiment of social inequality. *American Journal of Physical Anthropology*, 139(1), 47-57.

### **W11. Sociocultural approaches to health I**

#### **[Alternative/social etiologies]**

56. Evans-Pritchard, E.E. 1937. *Witchcraft, Magic and Oracles among the Azande*. Oxford: Clarendon.
57. Scheper-Hughes, N. 1993. *Death Without Weeping: The Violence of Everyday Life in Brazil*. Berkeley: University of California Press.
58. Scheper-Hughes, N. and Lock, M.M., 1987. The mindful body: A prolegomenon to future work in medical anthropology. *Medical anthropology quarterly*, 1(1), pp.6-41.

### **W12. Peer Review**

NO READINGS – focus on peer review

### **W13. Sociocultural approaches to health II**

#### **[Health as power and governance]**

59. Foucault, M. 2008. *The Birth of Biopolitics: Lectures at the Collège de France, 1978-79*. Palgrave.
60. Foucault, M. 2003. "Governmentality," in *The Essential Foucault: Selections from Essential Works of Foucault, 1954-1984*, eds. Paul Rabinow and Nikolas Rose. New Press.
61. Foucault, M. 1990. "Right of Death and Power over Life" in *The History of Sexuality, Vol. 1*.
62. Fink, S. 2009. "Deadly Choices at Memorial," *New York Times Magazine*.

#### **W14. Semiotic approaches to health**

##### **[Language and the meaning of health]**

63. Latour, B. 1988. *The Pasteurization of France*. Cambridge: Harvard University Press.
64. Carr, E.S. 2009. *Scripting Addiction: The Politics of Therapeutic Talk and American Sobriety*. Princeton.
65. Mattingly, C. 1991. "The Narrative Nature of Clinical Reasoning." *The American Journal of Occupational Therapy* 45(11): 998-1005.

#### **W15. Applied medical anthropology**

##### **[Application of anthropology in global health and clinical settings]**

66. Kleinman, A. and Benson, P., 2006. Anthropology in the clinic: the problem of cultural competency and how to fix it. *PLoS Med*, 3(10), p.e294.
67. Pelto, P.J. and Pelto, G.H., 1997. Studying knowledge, culture, and behavior in applied medical anthropology. *Medical anthropology quarterly*, 11(2), pp.147-163.
68. Davenport, B.A., 2000. Witnessing and the medical gaze: how medical students learn to see at a free clinic for the homeless. *Medical Anthropology Quarterly*, 14(3), pp.310-327.
69. Scheper-Hughes, N., 1990. Three propositions for a critically applied medical anthropology. *Social Science & Medicine*, 30(2), pp.189-197.



## ALIGNED PROGRAM GOALS, LEARNING OUTCOMES AND PROFICIENCIES

A. = program goal

1. = learning outcome

a. = proficiency

### **A. Students will be able to think like an anthropologist by embracing a comparative, holistic, relativistic, biocultural, and reflexive approach.**

12. Explain what culture is and how it shapes humans experience, perception and action in the world.
  - a. Describe anthropological definition of the culture concept (e.g., learned, dynamic, shared, tacit). (B/I)
  - b. Analyze how culture shapes their lives and that of others around them. (A)
13. Interpret and represent other cultures without judging them by the standards of their own culture.
  - a. Recognize own beliefs and practices as cultural. (B)
  - b. Recognize that their own beliefs and practices are not “normal”. (B)
  - c. Recognize cultural differences between individuals and groups. (B)
  - d. Interpret cultural differences as differences and not as deficits. (I)
  - e. Represent other cultural beliefs and practices with respect. (A)
14. Explain how elements of culture are interrelated and should be understood within context.
  - a. Identify examples of how elements of cultures are interrelated (e.g., relationship between modes of subsistence and gender status). (B/I)
  - b. Analyze cultural phenomena holistically, i.e., studying it within local, global, and historical contexts. (A)
15. Consider the range of human variation when studying human behavior and biology.
  - a. Describe anthropological concepts that can be applied cross-culturally (e.g., anthropological description of marriage). (B)
  - b. Identify examples to show the range of human variation as well as to illustrate anthropological concepts. (B)
  - c. Apply relevant theoretical concepts in anthropology to describe human cultural and biological variation. (I)
  - d. Provide theoretical explanations for cross-cultural variation. (A)
16. Explain how humans are a product of evolutionary and cultural processes.
  - a. Recognize how humans are the product of biological evolutionary processes. (B)
  - b. Recognize how humans are the product of cultural processes. (B)
  - c. Analyze how the interaction between biology and culture shapes humans. (I)
  - d. Combine biological and cultural approaches to describe and explain human diversity in the past and present. (A)

- e. Appreciate the contributions of the different anthropological subfields to the study of human diversity. (A)
- 17. Critically assess how privilege and power structures interact with biological, cultural, and social systems.
  - a. Recognize inequalities within and among human societies. (B)
  - b. Identify the ways in which inequity interacts with biological, cultural, and social systems. (I)
  - c. Analyze how intersecting systems of oppression influence the lived experience of marginalized individuals and groups. (I/A)
  - d. Engage with the voices of historically excluded scholars and perspectives. (I/A)
  - e. Apply critical perspectives to their own research design and praxis. (A)

**B. Students will understand how anthropologists use and have used theory to describe and explain the world.**

- 7. Evaluate the history of the main theoretical paradigms in anthropology.
  - a. Summarize the history and development of anthropological theory. (B)
  - b. Recognize theoretical frameworks in anthropological literature. (B)
  - c. Identify current theoretical debates of anthropology. (I)
  - d. Evaluate various strengths and weaknesses of anthropological theories. (I)
  - e. Make connections between theories from different subfields. (A)
  - f. Recognize that writing the history of anthropology is an interpretive exercise. (A)
- 8. Connect anthropological theories to research endeavors.
  - a. Examine how theoretical frameworks shape research questions. (B)
  - b. Appreciate the contributions of different theoretical frameworks. (I)
  - c. Evaluate how multiple theoretical frameworks can be used to address a research question. (A)
  - d. Connect appropriate anthropological theories to meaningful research questions. (A)
- 9. Construct their own conceptual framework drawing from anthropological (and other) theories.
  - a. Reflect on their own worldviews. (B)
  - b. Compare own worldviews with theoretical paradigms. (B)
  - c. Construct their own conceptual framework integrating relevant theoretical paradigms. (A)
  - d. Articulate clearly their own conceptual framework. (A)

**F. Meet ethical, collegial, and professional expectations in research, teaching, collaboration, and other professional endeavors.**

- f. Meet ethical, collegial, and professional expectations in and outside the classroom.
  - a. Follow ethical and professional guidelines defined by the professional associations relevant to the student's career. (I)
  - b. Foster collegial relationships. (A)

# **ANTHROPOLOGY 8892.01**

## **THEORY 3:**

# **HUMAN EVOLUTIONARY HISTORY**

Instructor: Brutus Buckeye

Autumn 2020

brutus.1@osu.edu

Hours of instruction: TR 11:10 – 12:30

4034 Smith Laboratory

Classroom: Smith Lab 4094

Tel. (614) 292-4149

Office hours: W 12-3 PM or by appointment

### **COURSE DESCRIPTION**

This course provides an overview of major theoretical paradigms that have shaped anthropological research on human evolutionary history. The goal is to train students to think theoretically as anthropologists by critically examining primary and secondary sources for a selection of theoretical paradigms in human evolutionary history. Each week will cover a different topic in the field, seen from the point of view of recent and classic research. While not exhaustive, the readings selected will provide an overview of the topics that will give the students the required overview to continue exploring those aspects of evolutionary theory that best fit their own research interests.

### **COURSE GOAL AND LEARNING OUTCOMES**

The goal is to train students to think theoretically as anthropologists, i.e., understand how anthropologists use evolutionary theory to describe and explain the diversity and dynamics of human biocultural systems. This entails the following:

4. Explain how humans' biocultural nature shape our experience, perception, and behavior.
6. Interpret and represent other cultures without judging them by the standards of their own culture.
7. Explain how elements of culture are interrelated and should be understood within context.

8. Consider the range of human variation when studying human behavior and biology.
10. Explain how human diversity is a product of evolutionary and cultural processes.
11. Evaluate the history of the main theoretical paradigms in anthropology.
9. Connect anthropological theories to research endeavors.
13. Construct their own conceptual framework drawing from anthropological (and other) theories.
12. Meet ethical, collegial, and professional expectations in and outside the classroom.

## READINGS

The required readings will be made available through Carmen. You are expected to have read the assigned readings before you come to class. As you read, highlight, take notes, summarize, look up new words or concepts, and come with questions for me and/or your classmates. In short, be prepared to discuss the readings in class and bring the readings to class. I recommend you to go over the readings once more after class.

## LEARNING OUTCOMES

The goal is to train students to think theoretically as anthropologists, i.e., understand how anthropologists use theory to describe and explain the diversity and dynamics of social-ecological systems, and this entails the following:

3. Explain what culture is and how it shapes humans experience, perception and action in the world.
  - a. Describe anthropological definition of the culture concept (e.g., learned, dynamic, shared, tacit). (A1a)
  - b. Analyze how culture shapes their lives and that of others around them. (A1b)
4. Interpret and represent other cultures without judging them by the standards of their own culture.
  - a. Recognize own beliefs and practices as cultural. (A2a)
  - b. Recognize that their own beliefs and practices are not “normal”. (A2b)
  - c. Recognize cultural differences between individuals and groups. (A2c)
  - d. Interpret cultural differences as differences and not as deficits. (A2d)
  - e. Represent other cultural beliefs and practices with respect. (A2e)
7. Explain how elements of culture are interrelated and should be understood within context.
  - a. Identify examples of how elements of cultures are interrelated (e.g., relationship between modes of subsistence and gender status). (A3a)

- b. Analyze cultural phenomena holistically, i.e., studying it within local, global, and historical contexts. (A3b)
- 8. Consider the range of human variation when studying human behavior and biology.
  - a. Describe anthropological concepts that can be applied cross-culturally (e.g., anthropological description of marriage). (A4a)
  - b. Identify examples to show the range of human variation as well as to illustrate anthropological concepts. (A4b)
  - c. Apply relevant theoretical concepts in anthropology to describe human cultural and biological variation. (A4c)
  - d. Provide theoretical explanations for cross-cultural variation. (A4d)
- 9. Explain how human diversity is a product of evolutionary and cultural processes.
  - a. Recognize how humans are the product of evolutionary processes. (A5a)
  - b. Recognize how humans are the product of cultural processes. (A5b)
  - c. Analyze how the interaction between biology and culture shapes humans. (A5c)
  - d. Combine biological and cultural approaches to describe and explain human diversity in the past and present. (A5d)
  - e. Appreciate the contributions of the different anthropological subfields to the study of human diversity. (A5e)
- 12. Critically assess how privilege and power structures interact with biological, cultural, and social systems.
  - a. Recognize inequalities within and among human societies. (A6a)
  - b. Identify the ways in which inequity interacts with biological, cultural, and social systems. (A6b)
  - c. Analyze how intersecting systems of oppression influence the lived experience of marginalized individuals and groups. (A6c)
  - d. Engage with the voices of historically excluded scholars and perspectives. (A6d)
- 13. Evaluate the history of the main theoretical paradigms in anthropology.
  - a. Summarize the history and development of anthropological theory. (B1a)
  - b. Recognize theoretical frameworks in anthropological literature. (B1b)
  - c. Identify current theoretical debates of anthropology. (B1c)
  - d. Evaluate various strengths and weaknesses of anthropological theories. (B1d)
  - e. Make connections between theories from different subfields. (B1e)
  - f. Recognize that writing the history of anthropology is an interpretive exercise. (B1f)
- 14. Connect anthropological theories to research endeavors.
  - a. Examine how theoretical frameworks shape research questions. (B2a)
  - b. Appreciate the contributions of different theoretical frameworks. (B2b)
  - c. Evaluate how multiple theoretical frameworks can be used to address a research question. (B2c)
  - d. Connect appropriate anthropological theories to research questions. (B2d)
- 10. Construct their own conceptual framework drawing from anthropological (and other) theories.
  - a. Reflect on their own worldviews. (B3a)
  - b. Compare own worldviews with theoretical paradigms. (B3b)

- c. Construct their own conceptual framework integrating relevant theoretical paradigms. (B3c)
  - d. Articulate clearly their own conceptual framework. (B3d)
13. Meet ethical, collegial, and professional expectations in and outside the classroom.
- a. Follow ethical and professional guidelines defined by the professional associations relevant to the student's career. (F1c)
  - b. Foster collegial relationships by sharing learning strategies and supporting fellow students. (F1d)

## **ASSESSMENT OF LEARNING OUTCOMES**

**Seminar.** The goal of the seminars is to make sense of the theoretical paradigms that contribute to the insertion of biocultural systems in an evolutionary framework, i.e., to understand how human societies have been and continue to be shaped by evolutionary processes. Seminars are an opportunity to engage with material in a more advanced manner – through active participation and discussion, rather than passive learning. For this educational model to work, we all must come prepared to engage with the material. This means we have carefully and critically read all the assigned readings in advance and have prepared questions and points of discussion to use to engage with our colleagues.

To maintain that environment, we must be respectful of one another's ideas, effort and time. It is critical that we be respectful of different opinions and engage in civil discussion, especially as we debate ideas. This is essential for the learning process.

As is the case in most courses, people's accumulated knowledge on the subjects covered will vary. It is both your and my job to ensure you have an accurate understanding of the material covered. It is ok to be wrong – but we must be willing to confront and correct these misunderstandings and in class discussion is an excellent opportunity to accomplish this important task. Everyone is responsible for making the workshop an effective learning activity. This entails not only talking, but also listening, and encouraging others to participate. Therefore, the goal is to collaboratively come to an understanding of evolutionary theories that contribute to the understanding of past and present human societies, which will allow students to connect these discussions with their own research interests. **F1d**

**Addendum.** At the end of every week – before Friday midnight – students have to submit a paragraph or two (no longer than one page) in which they reflect on what they learned that week from reading, writing, and workshop discussions with an emphasis on what they learned from discussions with their fellow students. The goal of the assignment is for students to develop their own conceptual framework drawing from the anthropological theories discussed in the course and prepare for the term paper. **B3a-d, B2a-b**

**Weekly Homework Assignments (WHA).** Every week students will complete one written homework assignment in which they can practice and demonstrate one or more learning outcomes. The homework assignments below are examples of the types of assignments that instructors can use to assess student learning.

**WHA: Anthropological Perspectives.** You will write a short essay in which you (1) explain what the value of an anthropological approach is; and (2) how you will use the different anthropological perspectives in your own research, teaching, and professional career. The essay should be no longer than 4 double-spaced pages. **A1a - A5e**

**WHA: Critical analysis of anthropological theory.** In this homework assignment, students will use the following set of instructions to critically analyze the readings for that particular week: (1) explain the theoretical framework and its major concepts; (2) discuss the strengths and weaknesses of the theoretical framework and its contribution to the discipline of anthropology; (3) discuss how this theoretical framework can be used to study your topic; and (4) discuss how different writers assess the theoretical framework. Students are advised to consult secondary sources to complete this homework assignments. Secondary sources can be review articles, like William Roseberry's Annual Review of Anthropology article about 'Marx and Anthropology' (1988) or chapters in a textbook or an encyclopedia, like McGee, R. Jon, and Richard L. Warms. 2012. Anthropological theory: An introductory history. 5th edition ed. Boston: McGraw-Hill. Students have to paraphrase and avoid quotations – in other words, they have to describe and explain these theoretical concepts and frameworks in their own words. **B1a-b, B1d-f**

**WHA: History of anthropological theory.** This homework assignment prompts students to connect the history of anthropology to broader histories of social and epistemological frameworks (in humanism and in science). Students will select for in-class presentation a work of art broadly defined—painting, film, photograph, music, literature. The presentation will be accompanied by a one-page outline that describes how that historical artwork (representing between 1770 and 1970) reflects or amplified intellectual and social trends of its time (or of the time represented) and how, in turn those trends are represented in seminal anthropological works of that time. An example might be the film "Angels & Insects" and its portrayal of the broader context in which evolutionary theory and the Ascent of Man was conceived. **B1a, B1e-f, B2a, B3a**

**WHA: What is hot?** The goal of this homework assignment is to find out what are the "hot" theoretical paradigms of today, i.e., what are popular, contemporary theoretical paradigms or concepts? Contemporary means in the last three to five years. In the essay, students have to do the following: (1) discuss the research strategies that they used to figure out what is "hot"; (2) describe the main players or theorists; (3) explain the theoretical paradigms and the questions they address; (4) discuss the strengths and weaknesses of theoretical paradigms; (5) discuss how it builds on earlier theoretical paradigms; and (6) explain contributions of paradigms to discipline of anthropology. **B1a-c, B2a-b, B2d**

**WHA: Theory and current conditions** This assignment builds on the History of Anthropological Theory with students selecting an artwork (conceived broadly) of the past three to five years for in-class presentation. The presentation will be accompanied by a one-page outline that describes how that artwork reflects or amplifies intellectual and socio-economic trends current today. In recursive class discussion and with other exercise explores how in turn those trends are influential in and impacted by anthropology. **A1b, B3a-b, B1e**

**WHA: Paradigm detection.** In this homework, students will select one recent article from a faculty member in the department that was published in the last five years and identify the theoretical paradigm(s) that are used explicitly and implicitly in the article. Students have to write a two-page analysis in which they (1) explain how they detected the paradigms (e.g., terminology, theorists, questions, explanations, concepts, approaches, citations); and (2) explain how the paradigms have shaped the research and article. **B1c, B2a-b**

**WHA: Linking theory to research.** In this homework assignment, students will use the following set of instructions to critically analyze the readings for that particular week: (1) explain the theoretical framework and its major concepts; (2) discuss how the theoretical frameworks shapes empirical research in the assigned research article, for example, how it shapes the research questions, research design, sampling strategies, methods used, data collected, and/or how the data is used to answer the research questions; (3) discuss how the theoretical concepts or frameworks can shape their own research project and/or generate meaningful research questions about you topic. Here too, students have to paraphrase and avoid quotations – in other words, they have to describe and explain these theoretical concepts and frameworks in their own words. **B2a-d**



**Peer review.** In week 12, students will review the first draft of the term paper of one of their peers. Detailed instructions for peer-review will be made available to the students, drawing from instructions from professional journals and publishers (e.g., Elsevier) and the rubric for the term paper. The reviewer should provide critical and constructive feedback for the author, but in the final paragraph of the review should describe what the reviewer learned from reviewing. The goal of the peer review is for students to develop supportive professional habits and relationships with their peers. **F1c, F1d.**

**Term paper.** The capstone assignment for this course is a term paper in which students draw on theoretical frameworks covered in the course (and others) to develop their conceptual framework and research project. In the term paper, students should: (1) explain what a conceptual framework is; (2) describe clearly their own conceptual framework; (3) convince the reader of the importance of the topic and (4) the rigor of methodology. In addition, students should be discussing (5) how different theoretical frameworks yield different understandings of the topic and (6) what the advantages and disadvantages are of using different theoretical frameworks. Students should not just use the frameworks from their own subfields, but use frameworks from multiple subfields (and disciplines). The term paper should be no longer than 15 pages double-spaced. The term paper should align with the students' research interests and advance their dissertation research. It may be preparation for their doctoral exam. **B1d-e, B2a-d, B3a-d**

**Evaluation:** Course responsibilities will be weighted in the following way:

1. Weekly homework assignments (HWA)(14)	30%
2. Seminar	10%
3. Peer review	10%
4. Addenda (14)	15%
5. Term paper	35%
<b>Total</b>	<b>100%</b>

Final grades are based on the OSU Standard Scheme. A general guide to how you are doing is: A 93; A- 90-92; B+ 87-89; B 83-86; B- 80-82; C+ 77-79; C 73-76; C- 70-72; D+ 67-69; D 60-66; E < 60.

## **UNIVERSITY STATEMENTS**

### **Office of Disability Services Statement**

The University strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including mental health, chronic or temporary medical conditions), please let me know immediately so that we can privately discuss options. To establish reasonable accommodations, I may request that you register with Student Life Disability Services. After registration, make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. SLDS contact information: [slds@osu.edu](mailto:slds@osu.edu); 614-292-3307; [slds.osu.edu](http://slds.osu.edu); 098 Baker Hall, 113 W. 12th Avenue.

### **Mental Health Statement**

As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance or reduce a student's ability to participate in daily activities. The Ohio State University offers services to assist you with addressing these and other concerns you may be experiencing. If you or someone you know are suffering from any of the aforementioned conditions, you can learn more about the broad range of confidential mental health services available on campus via the Office of Student Life's Counseling and Consultation Service (CCS) by visiting [ccs.osu.edu](http://ccs.osu.edu) or calling 614 -292- 5766. CCS is located on the 4th Floor of the Younkin Success Center and 10th Floor of Lincoln Tower. You can reach an on-call counselor when CCS is closed at 614 -292- 5766 and 24-hour emergency help is also available through the 24/7 National Suicide Prevention Hotline at 1- 800 -273-TALK or at [suicidepreventionlifeline.org](http://suicidepreventionlifeline.org).

### **Title IX Statement**

Title IX makes it clear that violence and harassment based on sex and gender are Civil Rights offenses subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories (e.g., race). If you or someone you know has been sexually harassed or assaulted, you may find the appropriate resources at <http://titleix.osu.edu> or by contacting the Ohio State Title IX Coordinator, Kellie Brennan, at [titleix@osu.edu](mailto:titleix@osu.edu)

### **Diversity Statement**

The Ohio State University affirms the importance and value of diversity in the student body. Our programs and curricula reflect our multicultural society and global economy and seek to provide opportunities for students to learn more about persons who are different from them. We are committed to maintaining a community that recognizes and values the inherent worth and dignity of every person; fosters sensitivity, understanding, and mutual respect among each member of our community; and encourages each individual to strive to reach his or her own potential. Discrimination against any individual based upon protected status, which is defined as age, color, disability, gender identity or expression, national origin, race, religion, sex, sexual orientation, or veteran status, is prohibited.

### **Committee on Academic Misconduct Statement**

All students should become familiar with the rules governing academic misconduct, especially as they pertain to plagiarism and cheating. Ignorance of the rules is not an excuse and all alleged cases of academic misconduct will be reported to the Committee on Academic Misconduct ([COAM](#)).

It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term “academic misconduct” includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-487). For additional information, see the Code of Student Conduct <http://studentlife.osu.edu/csc/>.

**TENTATIVE COURSE SCHEDULE**

<b>Week</b>	<b>Content</b>	<b>Assignment</b>	<b>Learning Outcome(s)</b>
1	The structure of evolutionary theory	WHA: History of anthropological theory, Addendum	A5a-e, A6a-d, B1a-f
2	Natural selection and early evolutionary thinking	WHA: History of anthropological theory, Addendum	A4a-d, A5a-e, B1a-f
3	Modern synthesis and human diversity	WHA: Theory and current conditions, Addendum	A4a-d, A5a-e, A6a-d, B1a-f
4	Speciation and Punctuated equilibrium	WHA: Critical analysis of anthropological theory, Addendum	A4a-d, A5a-e, B1a-f
5	Sexual selection and other modes of selection	WHA Critical analysis of anthropological theory, Addendum	A5a-e, B1a-f
6	Ecological Interactions and Hybridization	WHA: Anthropological perspectives, Addendum	A3a, A3b, A4a-d, A5a-e, B1a-f
7	Extended synthesis, tinkering and modularity	WHA: Paradigm detection, Addendum	A3a, A3b, A4a-d, A5a-e, B1a-f
8	Evolution of modern human diversity	WHA: Anthropological perspectives, Addendum	A3a, A3b, A4a-d, A5a-e, B1a-f
9	Evolution of niche construction	WHA: Anthropological perspectives, Addendum	A1a, A1b, A4a-d, A5a-e, B1a-f
10	Biological basis of social behavior	WHA: Paradigm detection, Addendum	A1a, A1b, A5a-e, B1a-f

11	Evolution of biocultural systems	WHA: Anthropological perspectives, Addendum	A1a, A1b, A4a-d, A5a-e, B1a-f
12	The evolution of human behavior I	Peer review, Addendum	A2a-e, A3a, A3b, A5a-e, B1a-f, B2a-d, B3a-d, F1c, F1d
13	The evolution of human behavior II	WHA: Linking theory to research, Addendum	A1a, A1b, A2a-e, A3a, A3b, A5a-e, A6a-d, B1a-f, F1c, F1d
14	Human evolutionary history – seminar synthesis	WHA: Linking theory to research, Addendum	A2a-e, A4a-d, A5a-e, A6a-d, B1a-f, B2a-d, B3a-d, F1c, F1d
Exam Week		Term paper	A2a-e, A4a-d, A5a-e, A6a-d, B1a-f, B2a-d, B3a-d, F1c, F1d

## TENTATIVE COURSE READINGS

### W1. The structure of evolutionary theory

Gould SJ (2002) The Essence of Darwinism and basis of modern orthodoxy: an exegesis of the Origin of Species. In: Gould SJ The Structure of Evolutionary Theory, pp: 93-169. Harvard University Press, Cambridge.

### W2. Natural selection and early evolutionary thinking

Darwin C, Costa JT (2009) Natural selection. In: Darwin C, Costa JT The Annotated Origin: A Facsimile of the First Edition of On the Origin of Species, pp: 80-130. Harvard University Press, Cambridge.

Dawkins R (1986) The Blind Watchmaker. WW Norton & Company, New York. Chapter 3: 43-74.

Nilsson DE, Pelger S (1994) A pessimistic estimate of the time required for an eye to evolve. *Proceedings of the Royal Society B* 256: 53-58.

### **W3. Modern synthesis and human diversity**

Mayr E (1980) Prologue: Some thought on the history of the evolutionary synthesis. In: Mayr E, Provine BP (Eds) *The Evolutionary Synthesis: Perspectives on the Unification of Biology*, pp: 1-48. Harvard University Press, Cambridge.

Relethford, J (2012) *Human Population Genetics*. Wiley-Blackwell, New Jersey. Chapter 2: 23-47.

Lewontin RC (1972) The apportionment of Human Diversity. *Evolutionary Biology* 6:381-398.

Edwards AWF (2003) Human genetic diversity: Lewontin's fallacy. *BioEssays* 25: 798-801.

### **W4. Speciation and Punctuated equilibrium**

Gould SJ, Lewontin RC (1979) The Spandrels of San Marco and the Panglossian Paradigm: A Critique of the Adaptationist Programme. *Proceedings of the Royal Society of London* 205: 581-598.

Gould SJ, Vrba ES (1982) Exaptation – a missing term in the science of form. *Paleobiology* 8: 4-15.

Eldredge N, Gould SJ (1972) Punctuated equilibria: an alternative to phyletic gradualism. In: Schopf TJM (Ed) *Models in Paleobiology*, pp: 82-115. Freeman Cooper, San Francisco.

Dawkins R (2004) *The Ancestor's Tale: a Pilgrimage to the Dawn of Evolution*. Weidenfeld & Nicolson, London. Pages 299-313 (in 2 files!)

Tattersall I (1992) Species concepts and species identification in human evolution. *Journal of Human Evolution* 22, 341:349.

## **W5. Sexual selection and other modes of selection**

Darwin C (1871) *From the Descent of Man and Selection in Relation to Sex*. Chapter VIII, 253-300.

Kuijper B, Pen I, Weissing FJ (2012) A guide to sexual selection theory. *Annual Review of Ecology, Evolution and Systematics* 43, 287:311

Wood B, Strait D (2004) Patterns and resource use in early Homo and Paranthropus. *Journal of Human Evolution* 46: 119-162.

## **W6. Ecological Interactions and Hybridization**

Grant PR, Grant BR (2008) The Biodiversity Problem and Darwin's Finches. In: Grant PR, Grant BR *How and Why Species Multiply*, pp: 1-12. Princeton University Press, Princeton.

Grant PR, Grant BR (2008) Ecological Interactions. In: Grant PR, Grant BR *How and Why Species Multiply*, pp: 65-75. Princeton University Press, Princeton.

Grant PR, Grant BR (2008) Hybridization. In: Grant PR, Grant BR *How and Why Species Multiply*, pp: 92-107. Princeton University Press, Princeton.

Holliday T (2003) Species concepts, reticulations, and human evolution. *Current Anthropology* 44: 653-673.

Duarte C, et al. (1999) The early Upper Paleolithic human skeleton from the Abrigo do Lagar Velho (Portugal) and modern human emergence in Iberia. *Proceedings of the National Academy of Science* 96: 7604-7610.

Tattersal I, Schwartz JH (1999) Hominids and hybrids: The place of Neanderthals in human evolution. *Proceedings of the National Academy of Science* 96: 7117-7119.

Green RE, et al. (2010) A draft sequence of the Neandertal genome. *Science* 328: 710-722.

#### **W7. Extended synthesis, tinkering and modularity**

Pigliucci M (2007) Do we need an extended evolutionary synthesis? *Evolution* 61: 2743-2749.

Laland, K. N., T. Uller, M. W. Feldman, K. Sterelny, G. B. Muller, A. Moczek, E. Jablonka, and J. Odling-Smee (2015) The extended evolutionary synthesis: its structure, assumptions and predictions. *Proc Biol Sci* 282(1813):20151019.

Jacob F (1977) Evolution as tinkering. *Science* 196: 1161-1166.

Müller GB (2007) Evo-devo: extending the evolutionary synthesis. *Nature Reviews* 8:943-949.

Laland K, Wray GA (2014) Does evolutionary theory need a rethink? *Nature* 514: 161-164.

#### **W8. Evolution of modern human diversity**



Lieberman DE (2011) Modular growth of the fetal and postnatal head. In: Lieberman DE The Evolution of the Human Head, pp: 96-143. Harvard University Press, Cambridge.

Scerri EMT, et al. (2018) Did our species evolve in subdivided populations across Africa, and why does it matter? Trends in Ecology & Evolution, doi.org/10.1016/j.tree.2018.05.005 1

Ackermann RR, Mackay A, Arnold ML (2016) The hybrid origin of “modern” humans. Evolutionary Biology 43: 1-11.

Current debate in the news:

<https://www.nytimes.com/2018/03/23/opinion/sunday/genetics-race.html>

<https://www.buzzfeednews.com/article/bfopinion/race-genetics-david-reich>

<https://www.nytimes.com/2018/03/30/opinion/race-genetics.html>

## **W9. Evolution of niche construction**

Foster KR, Wenseleers T, Ratnieks FLW (2006) Kin selection is the key to altruism. Trends in Ecology and Evolution 21: 57-60.

Fuentes A (2016) The extended evolutionary synthesis, ethnography, and the human niche. Current Anthropology.

Nowak MA, Tarnita CE, Wilson EO. (2010) The evolution of eusociality. Nature 466: 1054-1062.

## **W10. Biological basis of social behavior**

Dawkins R (1989) The Selfish Gene, pp: 1-87. Oxford University Press.

Trivers RL (1971) The evolution of reciprocal altruism. *The Quarterly Review of Biology* 46: 35-57.

Wilson EO (1975) *Sociobiology: The New Synthesis*. Chapter 27: Man: From Sociobiology to Sociology.

Axelrod R (1981) The Success of TIT FOR TAT in computer tournaments. In: Axelrod R *The Evolution of Cooperation*, pp: 27-54. Basic Books, New York.

### **W11. Evolution of biocultural systems**

Henrich J, McElreath R (2007) Dual-inheritance theory: the evolution of human cultural capacities and cultural evolution. In: Dunbar R, Barrett L (Eds) *Oxford Handbook of Evolutionary Psychology*, pp: 555-570. Oxford University Press.

### **W12. The evolution of human behavior I**

Cosmides L, Tooby J (2013) Evolutionary psychology: new perspectives on cognition and motivation. *Annual Review of Psychology* 64: 201-229.

Henrich J, McElreath R (2003) The evolution of cultural evolution. *Evolutionary Anthropology* 12: 123-135.

Buller DJ (2006) Evolutionary psychology: a critique. In: Sober E (Ed.) *Conceptual Issues in Evolutionary Biology*, pp: 197-214. MIT Press, Cambridge.

### **W13. The evolution of human behavior II**

Dereux M, Beugin MP, Godelle B, Raymond M (2013) Experimental evidence for the influence of group size on cultural complexity. *Nature* 503: 389-391.

Tehrani JJ (2013) The phylogeny of Little Red Riding Hood. PLoS One 8:e78871.

Pagel M (2012) Religion and other cultural “enhancers”. In: Pagel M Wired for Culture: Origins of the Human Social Mind, pp: 132-172. W.W. Norton and Company, New York.

Creanza, N., O. Kolodny, and M. W. Feldman (2017) Cultural evolutionary theory: How culture evolves and why it matters. Proc Natl Acad Sci U S A.

Mathew, S., and C. Perreault (2015) Behavioural Variation in 172 Small-Scale Societies Indicates That Social Learning is the Main Mode of Human Adaptation. Proceedings of the Royal Society B-Biological Sciences 282(1810).

Ross, C. T., and P. J. Richerson (2014) New frontiers in the study of human cultural and genetic evolution. Curr Opin Genet Dev 29C:103-109.

#### **W14. Human evolutionary history – seminar synthesis**

No reading – student presentations

## ALIGNED PROGRAM GOALS, LEARNING OUTCOMES AND PROFICIENCIES

A. = program goal

1. = learning outcome

a. = proficiency

### **A. Students will be able to think like an anthropologist by embracing a comparative, holistic, relativistic, biocultural, and reflexive approach.**

18. Explain what culture is and how it shapes humans experience, perception and action in the world.
  - a. Describe anthropological definition of the culture concept (e.g., learned, dynamic, shared, tacit). (B/I)
  - b. Analyze how culture shapes their lives and that of others around them. (A)
19. Interpret and represent other cultures without judging them by the standards of their own culture.
  - a. Recognize own beliefs and practices as cultural. (B)
  - b. Recognize that their own beliefs and practices are not “normal”. (B)
  - c. Recognize cultural differences between individuals and groups. (B)
  - d. Interpret cultural differences as differences and not as deficits. (I)
  - e. Represent other cultural beliefs and practices with respect. (A)
20. Explain how elements of culture are interrelated and should be understood within context.
  - a. Identify examples of how elements of cultures are interrelated (e.g., relationship between modes of subsistence and gender status). (B/I)
  - b. Analyze cultural phenomena holistically, i.e., studying it within local, global, and historical contexts. (A)
21. Consider the range of human variation when studying human behavior and biology.
  - a. Describe anthropological concepts that can be applied cross-culturally (e.g., anthropological description of marriage). (B)
  - b. Identify examples to show the range of human variation as well as to illustrate anthropological concepts. (B)
  - c. Apply relevant theoretical concepts in anthropology to describe human cultural and biological variation. (I)
  - d. Provide theoretical explanations for cross-cultural variation. (A)
22. Explain how humans are a product of evolutionary and cultural processes.
  - a. Recognize how humans are the product of biological evolutionary processes. (B)
  - b. Recognize how humans are the product of cultural processes. (B)
  - c. Analyze how the interaction between biology and culture shapes humans. (I)
  - d. Combine biological and cultural approaches to describe and explain human diversity in the past and present. (A)

- e. Appreciate the contributions of the different anthropological subfields to the study of human diversity. (A)
- 23. Critically assess how privilege and power structures interact with biological, cultural, and social systems.
  - a. Recognize inequalities within and among human societies. (A6a)
  - b. Identify the ways in which inequity interacts with biological, cultural, and social systems. (A6b)
  - c. Analyze how intersecting systems of oppression influence the lived experience of marginalized individuals and groups. (A6c)
  - d. Engage with the voices of historically excluded scholars and perspectives. (A6d)

**B. Students will understand how anthropologists use and have used theory to describe and explain the world.**

- 10. Evaluate the history of the main theoretical paradigms in anthropology.
  - a. Summarize the history and development of anthropological theory. (B)
  - b. Recognize theoretical frameworks in anthropological literature. (B)
  - c. Identify current theoretical debates of anthropology. (I)
  - d. Evaluate various strengths and weaknesses of anthropological theories. (I)
  - e. Make connections between theories from different subfields. (A)
  - f. Recognize that writing the history of anthropology is an interpretive exercise. (A)
- 11. Connect anthropological theories to research endeavors.
  - a. Examine how theoretical frameworks shape research questions. (B)
  - b. Appreciate the contributions of different theoretical frameworks. (I)
  - c. Evaluate how multiple theoretical frameworks can be used to address a research question. (A)
  - d. Connect appropriate anthropological theories to meaningful research questions. (A)
- 12. Construct their own conceptual framework drawing from anthropological (and other) theories.
  - a. Reflect on their own worldviews. (B)
  - b. Compare own worldviews with theoretical paradigms. (B)
  - c. Construct their own conceptual framework integrating relevant theoretical paradigms. (A)
  - d. Articulate clearly their own conceptual framework. (A)

**F. Meet ethical, collegial, and professional expectations in research, teaching, collaboration, and other professional endeavors.**

- 2. Plan a career
  - g. Follow ethical and professional guidelines defined by the professional associations relevant to the student's career. (I)
- h. Foster collegial relationships. (A)

# ANTHROPOLOGY 8891.04 RESEARCH DESIGN

Instructor: Brutus Buckeye

Spring 2021

brutus.1@osu.edu

Hours of instruction: TR 11:10 – 12:30

4034 Smith Laboratory

Classroom: Smith Lab 4094

Tel. (614) 292-4149

Office hours: W 12-3 PM or by appointment

**COURSE DESCRIPTION:** Anthropology is a holistic science that incorporates knowledge and skills from the sciences and the humanities in studies of human cultural and biological evolution. Both qualitative and quantitative methods are employed in research.

In this seminar each student will develop a research design for an anthropological research project. The focus of the seminar is on designing the research project and learning how research results and conclusions are assessed and disseminated. Seminar topics include the relationship between theory and methods, ethics and IRB protocols, data collection methods, analysis of qualitative and quantitative data, and interpretation of research results. Criteria used to evaluate the clarity, significance, feasibility, and broader impacts of research designs and the skills needed to review proposals will also be outlined and discussed.

Research designs include six components: 1. *Formulation* of research objectives, stating the goals of the research and hypotheses to tested, and conducting background research and literature searches, 2. *Implementation*: obtaining permits, permission, and funding, tending to logistics, and insuring that the conduct of the research meets ethical standards, 3. *Data Collection* with appropriate sampling and data recording methods, 4. *Analysis* with relevant analytical frameworks for testing hypotheses, 5. *Interpretation* of the data within broader theoretical frameworks, answering research questions, and assessing the significance of the results, 6. *Dissemination of the Results* in publications and other media that make results and acquired data accessible to a wide audience. The design components will be discussed in detail as students prepare their research designs. Methods and theoretical paradigms employed in research in the sub-disciplines of cultural anthropology, anthropological archaeology, and biological anthropology will all be considered in the seminar.

**COURSE GOALS:** Students will be trained to design feasible research plans that include significant hypotheses about human behavior and prepare research designs that will allow them to test them. After completing the seminar, Ph.D. students will be able to apply research design principles in their Grant Writing course (Anthropology 8828) when they prepare their dissertation proposals. Specific goals are for students to (1) understand all six of the components of anthropological research designs, (2) show students how to address ethical issues of justice, beneficence, and autonomy when conducting research

with human or animal subjects, (3) help students understand theoretical paradigms employed in defining research questions and interpreting results, (4) have students learn which methods of data collection and analysis are appropriate for their research, (5) show students how important it is to disseminate results of their research to a wide audience and be aware of the broader impact of their investigations, and (6) learn the skills needed to review proposals and understand the peer-review process.

**REQUIRED READING:** Required and recommended readings will be available on the Carmen course page. One of the two required texts will need to be purchased. You are expected to have read the assigned readings once or twice before you come to class. As you read, highlight, take notes, summarize, look up new words or concepts, and come with questions for the instructor and/or your classmates. Be prepared to discuss the readings in depth in class. It is also recommended that you go over the assigned readings once more after each seminar meeting.

#### **Required Texts:**

H. Russell Bernard, 2017, *Research Methods in Anthropology: Qualitative and Quantitative Methods*, Sixth Edition. Altamira Press.

John W. Creswell, 2014. *Research Design: Qualitative, Quantitative, and Mixed Methods Approaches*, 4<sup>th</sup> ed. Los Angeles: Sage. – **Available on Carmen as a PDF.**

**LEARNING OUTCOMES FOR STUDENTS:** The goal is to introduce students to principles of research design in anthropology and to train them so that they can plan feasible research projects, obtain funding, collect and analyze data, and interpret and disseminate their results. Students will also begin to master the skills needed to review proposals and will understand the peer-review process. These goals will be met when students:

1. Understand how the components of anthropological research designs are integrated and:
  - a. provide appropriate theoretical and contextual frameworks by drawing on anthropological theories. (A1a-A5e)
  - b. Connect appropriate anthropological theories to meaningful research questions. (B2d)
  - c. Integrate relevant theoretical paradigms and devise a theoretical and contextual framework for a Research Design. (B2d, B3c, B3d, C2a)
  - d. Reflect on their own worldviews. (B3a)
  - e. Understand how their worldviews relate to theoretical paradigms in anthropology. (B3b)
  
2. Learn how to address ethical issues of justice, beneficence, and autonomy when conducting research with human or animal subjects and:
  - a. Consider how to respect human subjects, protect their autonomy, and obtain informed consent (C5a),

- b. Consider and weigh the costs and benefits of the research activities for human subjects. (C5b)
  - c. Consider how research activities are administered fairly and equally among potential research participants. (C5c)
  - d. Consider what permits, permissions, and approvals are necessary for research in a timely manner. (C5d)
3. Understand theoretical paradigms employed in defining research questions and in interpreting the results and:
- a. Develop Research Designs with clearly stated research questions. (C1a)
  - b. Identify relevant theoretical frameworks for research questions. (C2a)
  - c. Evaluate how multiple theoretical frameworks can be used to address research questions. (B2c)
4. Learn which methods of data collection and analysis are appropriate for their research projects and:
- a. Develop Research Designs with appropriate methods of data collection that involve qualitative or quantitative research, or some combination of both. (C1a)
  - b. Employ suitable methods to collect these data (C1c), including appropriate populations, samples, sample sizes, and sampling techniques. (C1d)
  - c. Identify appropriate methods to analyze the data, answer the research questions, and evaluate the hypotheses. (C1e)
  - d. Prepare Research Designs that can be included in research proposals. (C1f)
5. Understand how important it is to disseminate results of their research to a wide audience and be aware of the broader impact of their investigations and:
- f. Increase public awareness of the contributions of anthropological research to studies of human diversity. (A5a-A5e)
  - g. Learn how results of anthropological research can be used to address broader questions of inequality and racism in society. (A6a-A6c)
  - h. Include perspectives from excluded scholars and provide voices for underrepresented groups. (A6d)
6. Develop the skills needed to review grant proposals and to be able to evaluate critically their own research and the research of other anthropologists by:
- a. Fostering collegial feedback and support in grant writing among peers. (F3c, F1d)
  - b. Learn the peer-review criteria for evaluating grant proposals submitted to different agencies and organizations. (NEW)
  - c. Apply the peer-review criteria and be able to write a review that is critical, supportive, and professional. (NEW)
  - d. Learn how to evaluate the feasibility of different research designs (NEW)
7. Meet ethical, collegial, and professional expectations in and outside the classroom and:
- a. Follow ethical and professional guidelines defined by the professional associations relevant to the student's career. (F1c)



- b. Foster collegial relationships by sharing learning strategies and supporting fellow students. (F1d)

**ASSESSMENT OF LEARNING OUTCOMES:** Specific goals for the seminar are to (1) train students to prepare feasible anthropological research designs, (2) examine how ethical issues of justice, beneficence, and autonomy should be addressed when conducting research with human or animal subjects, (3) consider which methods of data collection and analysis are appropriate, (4) understand theoretical paradigms that can be employed in interpretations of the results, (5) show how important it is to disseminate results of research to a wide audience and be aware of the broader impact of anthropological investigations, (6) help students develop skills needed to review and evaluate critically their own research and the research of other anthropologists, and (7) make sure that students meet ethical, collegial, and professional expectations in and outside the classroom.

Each student's research design may be different, but they all include the same components—from the statement of the problem to the publication of the results. To accomplish the goals of the seminar, students must carefully and critically read all the assigned materials in before each class meeting and be prepared to discuss the material in depth. This will help ensure that all students have an accurate understanding of the material covered. In the classroom, students must be respectful of every student's ideas and efforts, be respectful of different opinions, and always engage in civil discussion. Everyone is responsible for making the seminar an effective learning experience, not only by talking, but also by listening others, and encouraging everyone to participate.

**The seminar assignments address the following learning outcomes:**

- 1. Science and Humanism:** provide an example of two anthropological research projects, one that employed the scientific method, and one that had a humanistic perspective. Prepare a short (two page) written summary of the projects and present a five-minute oral summary in class (A1a-A5e).
- 2. Theoretical paradigms:** prepare a four-page written summary of an anthropological paradigm that will provide some theoretical context for your research design. Cite your sources and identify and provide background information on some proponents of the paradigm. Be prepared to evaluate the paradigm in class, and to discuss how your worldviews relate to the paradigm (B2a-B2d, B3a-B3d, C1a, C2a).
- 3. Formulation:** prepare a clear, concise written statement of the problem and the questions to be investigated in your project (2 pages). This should be a hypothesis to be tested. Statements will be discussed in class (B2d, C1a, C1f, C2a).

**4. Ethics in Research and IRB protocols:** prepare a written outline of the ethical issues raised in your research project and how you will address them. If human or animal subjects are included in the project, describe how the IRB protocols will be satisfied. These issues will be discussed in class (C5a-C5d).

**5. Data Collection Methods:** prepare a two-page written summary of the sampling methods that you will use to collect your data during your investigations. These sampling and data collection methods will be discussed in class (C1b-C1d).

**6. Analysis of Qualitative and Quantitative Data:** outline how you will analyze the qualitative and/or quantitative data that will be collected in your research project. These analytical methods will be discussed in class (C1e).

**7. Interpretation of research results:** prepare a two-page written summary that explains how theories are linked to methods in your research design and how you will answer your research questions and test your hypotheses. These summaries will be discussed in class (B2c, C1e, C2b).

**8. Peer-review:** prepare a short (2-4 page) summary of the general criteria used by peer reviewers in your sub-discipline to evaluate the clarity, significance, feasibility, and broader impacts of research designs. These criteria will be discussed in class (NEW).

**Final Paper:** prepare an abstract for a research grant proposal and discuss its significance and broader impacts in a 3-5 page paper (C1f, F1d, F3c).

**Evaluation:** Course assignments and participation will be weighted in the following way:

Assignments 1-8 (each worth 10%)	80%
Participation	10%
Final Paper	<u>10%</u>
Total	100%

Final grades are based on the OSU Standard Scheme. A general guide to how you are doing is: A 93; A- 90-92; B+ 87-89; B 83-86; B- 80-82; C+ 77-79; C 73-76; C- 70-72; D+ 67-69; D 60-66; E< 60.

## TENTATIVE COURSE SCHEDULE

Week	Topics	Assignments or Questions	Learning Outcomes
1	<b>Introduction</b> , course goals, format, and expectations	What is a research design? What are some theoretical approaches to research in your sub-field?	A4b, A4c, A5a,
2	<b>Science and Humanism in Anthropology</b>	1. provided examples of research projects with scientific and humanistic approaches	A1b, A4a-d, A5a-e, B1a, B1b, B1d, B1e, B1g, B2a
3	<b>Worldviews, theory, and methods</b>	2. summarize a theoretical paradigm that provides context for your research	B2d, B3a-B3d, C1a, C2a
4	<b>Formulation:</b> hypotheses, feasibility	3. prepare a problem statement with hypotheses to be tested	B2d, C1a, C1f, C2a
5	<b>Implementation:</b> Logistics, permits	How will you obtain permits and funding? Discuss logistics	C5d
6	<b>Implementation:</b> Ethics and IRB	4. outline how ethical issues and IRB protocols will be addressed	C5a-C5d
7	<b>Data Collection</b> Field methods	What are some field methods used in your sub-field?	C1b
8	<b>Data Collection</b> Sampling methods	5. sampling methods used to collect data in anthropological research	C1c, C1d
9	<b>Analysis of quantitative data</b>	6a. analysis of quantitative data	C1e
10	<b>Analysis of qualitative data</b>	6b. analysis of qualitative data	C1e
11	<b>Interpretation</b> of research results 1	7. theories linked to methods when research questions are answered	B2c, C1e, C2b
12	<b>Interpretation</b> of research results 2	<i>continued discussions of how results are interpreted</i>	B2c, C1e, C2b
13	<b>Dissemination</b> of the results	How will the results of your research will be disseminated?	New

14	<b>Research Proposals</b>	What are examples of research proposals in your sub-field?	A3a,b, A4a-d, A5a-e A6a-d, B1a-e,
15	<b>Peer-reviews of Research Designs</b>	8. criteria used by peer reviewers to evaluate research designs	New
Exam Week		<b>Final paper:</b> prepare an abstract of a research proposal and discuss its significance and broader impacts	C1f, F1d, F3c

## TENTATIVE READING SCHEDULE

**Week 1: Introduction, course goals, format, and expectations.** *Read these book chapters and Review any other works on Anthropological Methods and Theory that you have read:*

### Required Reading:

Antonius C. G., M. Robben and Jeffrey A. Sluka. 2012. Fieldwork in Cultural Anthropology: An

Introduction. In C. G. Antonius, M. Robben, & Jeffrey A. Sluka, eds., *Ethnographic Fieldwork: An Anthropological Reader (2<sup>nd</sup> edition)*, pp. 1-47. Oxford: Blackwell.

Johnson, Matthew. 2020. *Archeological Theory: An Introduction (3<sup>rd</sup> edition)*. Hoboken: Wiley Blackwell. Read the Preface and Chapter 1.

Stinson, Sara, Barry Bogin, and Dennis O'Rourke, eds. 2012. *Human biology: an Evolutionary and Biocultural approach*. Hoboken: Wiley Blackwell. Read the Introduction.

**And Read** Preface and Chapters 1-2 in Bernard 2017; and Chapter 1 in Creswell 2014.

### Recommended Reading:

Cerwonka, Allaine, and Liisa H. Malkki. 2007. *Improvising Theory: Process and Temporality in Ethnographic Fieldwork*. Chicago: University of Chicago Press. Read first and last chapters.

## Week 2: Science and Humanism in Anthropology.

### Required Readings:

Feder, Kenneth L. 2011. Epistemology: How you know what you know. In *Frauds, Myths, and Mysteries*, by K. L. Feder, pp. 18-46. McGraw-Hill, New York.

Kuznar, Lawrence A. 2008. *Reclaiming a Scientific Anthropology (2<sup>nd</sup> edition)*. Lanham: Altamira Press. Read Chapters 1, 3, & 5.

Lett, James. 1997. *Science, Reason, and Anthropology: The Principles of Rational Inquiry*. Lanham: Rowan & Littlefield. Read Chapters 1, 3, & 4.

**And re-read** section on Humanism in Chapter 1 in Bernard 2017, and Chapter 1 in Creswell 2014.

**Also see** the Society for Humanistic Anthropology webpage: <http://sha.americananthro.org/>

**Recommended Reading:**

O'Meara, J. Tim. 1989. Anthropology as Empirical Science. *American Anthropologist* 91:354-369.

**Week 3: Worldviews, Theory, and Methods.**

**Required Readings:**

Review Chapter 1 and Read Chapters 2 & 3 in Creswell 2014.

**Week 4: Formulation: Problem Statement, Hypotheses, Feasibility.**

**Required Readings:**

Bernard, H. R., P. J. Pelto, O. Werner, J. Boster, A. K. Romney, A. Johnson, C. R. Ember, and A. Kasakoff. 1986. The construction of primary data in cultural anthropology. *Current Anthropology* 27:382-395.

**And** Chapters 3-5 in Bernard 2017; and Chapters 5-7 in Creswell 2014.

**Week 5: Implementation: Logistics, Permits, Funding. No assigned readings.**

**Week 6: Implementation: Ethics and IRB.**

**Required Readings:**

Berremman, Gerald D. 2012. Ethics versus 'Realism in Anthropology. In C. G. Antonius, M. Robben, & Jeffrey A. Sluka, eds., *Ethnographic Fieldwork: An Anthropological Reader (2<sup>nd</sup> edition)*, pp. 331-352. Oxford: Blackwell.

Bliss, Alan. 2002. Oral History Research. In Robert J. Amdur, & Elizabeth A. Bankert, eds., *Institutional Review Board Management and Function*, pp. 415-418. Sudbury: Jones and Bartlett Publishers.

Sluka, Jeffrey A. 2012. Fieldwork Ethics: Introduction. In C. G. Antonius, M. Robben, & Jeffrey A. Sluka, eds., *Ethnographic Fieldwork: An Anthropological Reader (2<sup>nd</sup> edition)*, pp. 299-305. Oxford: Blackwell.

Smith Parrott, Elizabeth. 2002. Ethnographic Research. In Robert J. Amdur, & Elizabeth A. Bankert, eds., *Institutional Review Board Management and Function*, pp. 407-414. Sudbury: Jones and Bartlett Publishers.

**And re-read** section on Ethics and Social Science in Chapter 1 in Bernard 2017, and **Read** Chapter 4 in Creswell 2014.

**Recommended Reading:**

U.S. Department of Health, Education, and Welfare. 1979. *The Belmont Report: Ethical Principles and Guidelines for the Protection of Human Subjects of Research*.

<http://babel.hathitrust.org/cgi/pt?id=pur1.32754076366750;view=1up;seq=1>

Warner, Faith. 2009. Ethical Considerations for Digital Fieldwork: Cyberethnography and IRBs *Anthropology News*, <https://anthrosource.onlinelibrary.wiley.com/doi/epdf/10.1111/j.1556-3502.2009.50627.x> September 2009, p. 27.

*Also see these statements on Ethics:*

The American Anthropological Association Statement on Ethics:

<http://ethics.americananthro.org/category/statement/>

Biological Anthropology and Ethics (Project Muse):

<http://muse.jhu.edu/books/9780791484067>

Society for American Archaeology Principles of Archaeological Ethics:

<http://www.saa.org/AbouttheSociety/PrinciplesofArchaeologicalEthics/tabid/203/Default.aspx>

#### **Week 7: Data Collection: Field methods.**

##### **Required Readings:**

Faubion, James D., and George E. Marcus, eds. 2009. *Fieldwork Is Not What It Used to Be*. Ithaca: Cornell University Press. Read the Forward and Introduction.

Hester, Thomas R., Harry J. Shafer, and Kenneth L. Feder. 2016. *Field Methods in Archaeology*, 7<sup>th</sup> ed. New York: Routledge. Read Chapters 4 & 5.

**And** Chapters 9-15 in Bernard 2017.

#### **Week 8: Data Collection: Sampling methods.**

**Required Readings:** Chapters 7 & 8 in Bernard 2017; and Chapters 8-10 in Creswell 2014.

#### **Week 9: Analysis of Quantitative Data.**

**Required Readings:** Chapters 16 & 19-21 in Bernard 2017; Chapters 3 & 8 in Creswell 2014.

#### **Week 10: Analysis of Qualitative Data**

**Required Readings:** Chapters 16-18 in Bernard 2017; *Review:* Chapters 3 & 9 in Creswell 2014.

**Week 11: Interpretation of Research Results 1. No assigned readings.**

**Week 12: Interpretation of Research Results 2.** Continued discussions of interpretations of results, *No assigned readings.*

**Week 13: Dissemination of the Results.**

**Required Readings:**

AAA Ethics Forum 5. Make your Results Accessible. <http://ethics.americananthro.org/ethics-statement-5-make-your-results-accessible/>

Cooper, Matthew. 2008. Sharing Data and Results with Study Participants: Report on a Survey of Cultural Anthropologists. *Journal of Empirical Research on Human Research Ethics* 3:19-34.  
<https://journals.sagepub.com/doi/10.1525/jer.2008.3.4.19>

Goldstein, Lynne. 2016. More thoughts from the Archaeology Division of the AAA-Publications, Blogging, and Making Conversations Count. <https://savageminds.org/tag/dissemination/>

**Recommended Reading:**

Becker, Howard S. 2007. Getting it out the Door. In *Writing for Social Scientists, 2<sup>nd</sup> ed.*, pp. 121-134. Chicago: University of Chicago Press.

**Week 14: Research Proposals.**

**Required Readings:**

Locke, L. F., W. W. Spirduso, and S. J. Silverman. 2007. *Proposals that work: A guide for planning dissertations and grant proposals*, 4th edition. Thousand Oaks, CA: Sage.

Plattner, Stuart. 1992. Anthropology grant proposal handbook. *Cultural Anthropology Methods Newsletter* 4:6-12. <http://fmx.sagepub.com/content/4/1/6.full.pdf+html>

Silverman, Sydel. 1991. Writing Grant Proposals for Anthropological Research. *Current Anthropology* 32(4):485-489.

**Recommended Reading:**

Yellen, John E. (1994). Women, archaeology, and the National Science Foundation: an analysis of fiscal year 1989 data. In *Equity Issues for Women in Archaeology*, edited by M. C. Nelson, S. M. Nelson and A. Wylie, pp. 53-57. Archaeological Papers No. 5. American Anthropological Association, Washington, D.C.

**Week 15: Peer-reviews of Research Designs.**

**Required Readings:**

Hartnett-McCann, Kristen, Laura C. Fulginiti, Alison Galloway, and Katherine M. Taylor. 2019. The Peer review process: expectations and responsibilities. In: L. Fulginiti, K. Hartnett-McCann, and A. Galloway, eds., *Forensic Anthropology and the United States Judicial System*, pp. 123-140. New York: John Wiley & Sons. <https://doi.org/10.1002/9781119469957.ch8>

Przeworski, Adam, and Frank Salomon, 1988. *On the Art of Writing Research Proposals*. New York: Social Science Research Council.

Vora, Neha, and Tom Boellstorff, 2012. Anatomy of an Article: The Peer-Review Process as Method. *American Anthropologist* 114(4):578-583.

## **PROGRAM GOALS, LEARNING OUTCOMES AND PROFICIENCIES**

A. = program goal

1. = learning outcome

a. = proficiency

### **B. Students will understand how anthropologists use and have used theory to describe and explain the world.**

2. Connect anthropological theories to research endeavors.
  - a. Explain how theoretical frameworks shape research questions. (B)
  - b. Appreciate the contributions of different theoretical frameworks. (I)
3. Construct their own conceptual framework drawing from anthropological (and other) theories.
  - a. Reflect on their own worldviews. (B)
  - b. Compare their own worldviews with theoretical paradigms. (B)
  - c. Construct their own conceptual framework integrating relevant theoretical paradigms. (A)
  - d. Articulate clearly their own conceptual framework. (A)

### **C. Understand how to design, conduct, and evaluate research that makes theoretical and practical contributions to anthropology and beyond.**

1. Design a research project that links theory to research questions, generated data, methods, and data analysis.
  - a. Formulate clear research questions, hypotheses, and objectives. (B)
  - b. Identify the necessary data needed to answer research questions, evaluate hypotheses and/or achieve objectives. (B)
  - c. Identify the appropriate methods to generate the necessary data. (B)
  - d. Identify the appropriate population, sample, sample size, and sampling techniques from which to generate the necessary data. (I)
  - e. Identify the appropriate methods to analyze the data to answer the research questions and/or evaluate the hypotheses. (A)



- f. Communicate the research design in a research proposal. (A)
- 2. Use anthropological theory to develop research questions.
  - a. Identify relevant theoretical frameworks for a research question. (B)
  - b. Connect the theoretical frameworks to a meaningful research question. (I)
  - c. Use conceptual framework to develop research question and rigorous methods. (A)
- 5. Consider issues of justice, beneficence, and autonomy when conducting research with human or animal subjects.
  - a. Consider how to respect human subjects, protect their autonomy, and obtain informed consent. (B)
  - b. Consider and weigh the costs and benefits of the research activities for human subjects. (B)
  - c. Consider how research activities are administered fairly and equally among potential research participants. (B)
  - d. Obtain necessary permits, permissions, and approvals for research in a timely manner. (I)
  - e. Conduct research ethically in accordance with the guidelines of professional organizations. (A)

**F. Meet ethical, collegial, and professional expectations in research, teaching, collaboration, and other professional endeavors.**

- 1. Prepare for a career
  - a. Follow ethical and professional guidelines defined by the professional associations relevant to the student's career. (I)
  - b. Foster collegial relationships. (A)

**OFFICE OF DISABILITY SERVICES STATEMENT**

The University strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including mental health, chronic or temporary medical conditions), please let me know immediately so that we can privately discuss options. To establish reasonable accommodations, I may request that you register with Student Life Disability Services. After registration, make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. SLDS contact information: [slds@osu.edu](mailto:slds@osu.edu); 614-292-3307; [slds.osu.edu](http://slds.osu.edu); 098 Baker Hall, 113 W. 12th Avenue.

**MENTAL HEALTH STATEMENT**

As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic

performance or reduce a student's ability to participate in daily activities. The Ohio State University offers services to assist you with addressing these and other concerns you may be experiencing. If you or someone you know are suffering from any of the aforementioned conditions, you can learn more about the broad range of confidential mental health services available on campus via the Office of Student Life's Counseling and Consultation Service (CCS) by visiting [ccs.osu.edu](http://ccs.osu.edu) or calling 614 -292- 5766. CCS is located on the 4th Floor of the Younkin Success Center and 10th Floor of Lincoln Tower. You can reach an on-call counselor when CCS is closed at 614 -292- 5766 and 24-hour emergency help is also available through the 24/7 National Suicide Prevention Hotline at 1- 800 -273-TALK or at [suicidepreventionlifeline.org](http://suicidepreventionlifeline.org).

### **TITLE IX STATEMENT**

Title IX makes it clear that violence and harassment based on sex and gender are Civil Rights offenses subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories (e.g., race). If you or someone you know has been sexually harassed or assaulted, you may find the appropriate resources at <http://titleix.osu.edu> or by contacting the Ohio State Title IX Coordinator, Kellie Brennan, at [titleix@osu.edu](mailto:titleix@osu.edu)

### **DIVERSITY STATEMENT**

The Ohio State University affirms the importance and value of diversity in the student body. Our programs and curricula reflect our multicultural society and global economy and seek to provide opportunities for students to learn more about persons who are different from them. We are committed to maintaining a community that recognizes and values the inherent worth and dignity of every person; fosters sensitivity, understanding, and mutual respect among each member of our community; and encourages each individual to strive to reach his or her own potential. Discrimination against any individual based upon protected status, which is defined as age, color, disability, gender identity or expression, national origin, race, religion, sex, sexual orientation, or veteran status, is prohibited.

### **COMMITTEE ON ACADEMIC MISCONDUCT STATEMENT**

All students should become familiar with the rules governing academic misconduct, especially as they pertain to plagiarism and cheating. Ignorance of the rules is not an excuse and all alleged cases of academic misconduct will be reported to the Committee on Academic Misconduct (COAM).

It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term “academic misconduct” includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-487). For additional information, see the Code of Student Conduct <http://studentlife.osu.edu/csc/>.

# **ANTHROPOLOGY 8827**

## **COMMUNICATING ANTHROPOLOGY**

Instructor: Brutus Buckeye

Spring 2021

brutus.1@osu.edu

Hours of instruction: TR 11:10 – 12:30

4034 Smith Laboratory

Classroom: Smith Lab 4094

Tel. (614) 292-4149

Office hours: W 12-3 PM or by appointment

### **COURSE DESCRIPTION**

This course will walk the students through the process of communicating their research across several common platforms available to academics nowadays. The main goal is to work with students on the elaboration of their academic narratives and then discuss how narratives can and should be adjusted to different audiences. The students will work with their own research and at the end of the course it is expected that each student will have a diverse set of products derived from their research that can be used to communicate their academic progress broadly and to a diverse audience. The course will focus on two sets of activities: 1) the discussion of basic concepts of research structure and narrative, guided by readings on different topics regarding philosophy of sciences, empirical research, scientific ethics, and communication strategies; and 2) the creation of a communication portfolio for the student's research, with the support of peer review and in-class discussions. The seminar will adjust itself to the particular needs of the students, adding emphasis to those aspects of research design, writing, and communication most required in a case-by-case manner.

### **COURSE GOALS**

The goal is to train students to effectively communicate anthropological research and ideas to different audiences and through different outlets, and this entails that students will be able to:

1. Write anthropological contribution of their research to academic audience
2. Orally present anthropological contribution of their research to academic audience
3. Explain anthropological contribution of their research to broader audience
4. Plan a career
5. Develop a publication record

## REQUIRED READING

Required and recommended readings will be made available through Carmen. You are expected to have read the assigned readings once or twice before you come to class. As you read, highlight, take notes, summarize, look up new words or concepts, and come with questions for me and/or your classmates. In short, be prepared to discuss the readings in class and bring the readings to class. I also recommend you to go over the readings once more after class.

## LEARNING OUTCOMES

The goal is to train students to effectively communicate anthropological research and ideas to different audiences and through different outlets, and this entails that students will be able to:

6. Write anthropological contribution of their research to academic audience
  - a. Evaluate the different academic venues available for communicating their work. (D1a)
  - b. Select the most appropriate academic venue for their specific work. (D1b)
  - c. Understand the norms and structures of academic communication. (D1c)
  - d. Write clearly and in the appropriate format for the selected audience. (D1d)
  
7. Orally present anthropological contribution of their research to academic audience
  - a. Evaluate the different academic venues available for communicating their work. (D2a)
  - b. Select the most appropriate academic venue for their specific work. (D2b)
  - c. Understand the norms and structures of academic communication. (D2c)
  - d. Present clearly and in the appropriate format for a selected audience. (D2d)
  
8. Explain anthropological contribution of their research to broader audience
  - a. Recognize different audiences with different needs (e.g., age, locality, educational background). (D3a)
  - b. Know the requirements and expectations for different outlets (e.g., social media, news feeds, podcasts, blogs). (D3b)
  - c. Transmit research clearly through different media formats. (D3c)
  
9. Plan a career
  - a. Follow ethical and professional guidelines defined by the professional associations relevant to the student's career. (F1c)
  - b. Foster collegial relationships. (F1d)
  
10. Develop a publication record
  - a. Identify appropriate venues and expectation. (F2a)

- b. Follow ethical guidelines in publishing and reviewing. (F2b)
- c. Foster collegial feedback and support for publication among peers. (F2c)

## **ASSESSMENT OF LEARNING OUTCOMES**

**Seminar and class discussions.** The goal of the in-class seminar and discussion is to create a space to discuss the weekly topics and evaluate each student's contribution and progress in developing their own communication portfolio. The discussion will focus on and the "dos" and "do nots" in communicating academic research. The seminar will establish comparative frameworks for academic writing, frequently contrasting the different types of academic products (articles, book chapters, ethnographies, etc.) with non-academic venues (opinion pieces, scientific dissemination articles, blogs, webpages, social media). The seminar will be complemented by student presentations and peer-review discussions, as detailed below. **D1a-c, D3a-c, F1c-d**

**Addendum.** At the end of every week – before Friday midnight – students have to submit a paragraph or two (no longer than one page) in which they reflect on what they learned that week from reading, writing, and workshop discussions with an emphasis on what they learned from discussions with their fellow students. The goal of the assignment is for students to develop their own conceptual framework drawing from the anthropological theories discussed in the course and prepare for the term paper. **D1a-d, D3a-c, F1c-d**

**Weekly Homework Assignments (WHA).** Every week students will complete one written homework assignment in which they can practice and demonstrate one or more learning outcomes as they apply the concepts discussed in class to their own academic interests. The WHA will consist of the development of new academic communications of their own research and will be used to compile the communication portfolio of students at the end of the semester. **F2a-b**

**Student presentations.** Every week two students will present their WHA to the class, to open their work for discussion with the peers. The presentations will also serve as exercises in translating the student's products to be delivered orally and will be used as starting point for discussions about effective communication strategies. **D2a-d, D3a-c**

**Peer review.** Every week, each student will review the WHA of one other student. Detailed instructions for peer-review will be made available to the students, drawing from instructions from professional associations and weekly readings. The reviewer should provide critical and constructive feedback for the author, but in the final paragraph of the review should describe what the reviewer learned from reviewing. The goal of the peer review is for students to develop supportive professional habits and relationships with their peers. **F1c, F1d.**

**Communication portfolio.** The capstone assignment for this course is the compilation of all weekly assignments into one portfolio of communication strategies in which students critically assess each strategy and use their own work as specific examples. In the portfolio students should: (1) explain succinctly the advantages and targeted audience for each strategy; (2) describe clearly their relevance to the students' academic goals; (3) convince the reader of the importance of approaching scientific communication from multiple points of view, and (4) critically assess their own ability to engage with each communication strategy. The portfolio should be no longer than 20 pages double-spaced. **D1a-c, D3a-c, F1c-d, F2a-b**

**Evaluation:** Course responsibilities will be weighted in the following way:

Weekly assignments	(12)	25%
Peer reviews	(12)	25%
Oral presentations	(12)	25%
Communication portfolio		25%
	Total	100%

Final grades are based on the OSU Standard Scheme. A general guide to how you are doing is: A 93; A- 90-92; B+ 87-89; B 83-86; B- 80-82; C+ 77-79; C 73-76; C- 70-72; D+ 67-69; D 60-66; E < 60.

#### **OFFICE OF DISABILITY SERVICES STATEMENT**

The University strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including mental health, chronic or temporary medical conditions), please let me know immediately so that we can privately discuss options. To establish reasonable accommodations, I may request that you register with Student Life Disability Services. After registration, make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. SLDS contact information: [slds@osu.edu](mailto:slds@osu.edu); 614-292-3307; [slds.osu.edu](http://slds.osu.edu); 098 Baker Hall, 113 W. 12th Avenue.

#### **MENTAL HEALTH STATEMENT**

As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or

lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance or reduce a student's ability to participate in daily activities. The Ohio State University offers services to assist you with addressing these and other concerns you may be experiencing. If you or someone you know are suffering from any of the aforementioned conditions, you can learn more about the broad range of confidential mental health services available on campus via the Office of Student Life's Counseling and Consultation Service (CCS) by visiting [ccs.osu.edu](http://ccs.osu.edu) or calling 614 -292- 5766. CCS is located on the 4th Floor of the Younkin Success Center and 10th Floor of Lincoln Tower. You can reach an on-call counselor when CCS is closed at 614 -292- 5766 and 24-hour emergency help is also available through the 24/7 National Suicide Prevention Hotline at 1- 800 -273-TALK or at [suicidepreventionlifeline.org](http://suicidepreventionlifeline.org).

### **TITLE IX STATEMENT**

Title IX makes it clear that violence and harassment based on sex and gender are Civil Rights offenses subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories (e.g., race). If you or someone you know has been sexually harassed or assaulted, you may find the appropriate resources at <http://titleix.osu.edu> or by contacting the Ohio State Title IX Coordinator, Kellie Brennan, at [titleix@osu.edu](mailto:titleix@osu.edu)

### **DIVERSITY STATEMENT**

The Ohio State University affirms the importance and value of diversity in the student body. Our programs and curricula reflect our multicultural society and global economy and seek to provide opportunities for students to learn more about persons who are different from them. We are committed to maintaining a community that recognizes and values the inherent worth and dignity of every person; fosters sensitivity, understanding, and mutual respect among each member of our community; and encourages each individual to strive to reach his or her own potential. Discrimination against any individual based upon protected status, which is defined as age, color, disability, gender identity or expression, national origin, race, religion, sex, sexual orientation, or veteran status, is prohibited.

### **COMMITTEE ON ACADEMIC MISCONDUCT STATEMENT**

All students should become familiar with the rules governing academic misconduct, especially as they pertain to plagiarism and cheating. Ignorance of the rules is not an excuse and all alleged cases of academic misconduct will be reported to the Committee on Academic Misconduct (COAM).



It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term “academic misconduct” includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-487). For additional information, see the Code of Student Conduct <http://studentlife.osu.edu/csc/>.

### TENTATIVE COURSE SCHEDULE

Week	Content	Assignment	Learning Outcome(s)
1	Metacommunication	WHA: analyzing (and critiquing) the structure of the syllabus and what it communicates (and what it doesn't)	D1c
2	Critique, Q&A, and handling audience feedback: How to be critical and constructive?  Student presentation 1	WHA: Criticize 1 good article and 1 bad article.  Peer review 1	D2c, D2d
3	Messaging, or telling your story (for the audience in front of you)  Student presentation 2	WHA: Create the structure of the academic narrative of your research.  Peer review 2	D1a, D1b, D2a, D3a, F2a
4	Titles (what do they communicate and how?)  Student presentation 3	WHA: analyze academic research article titles and how news outlets reporting on the same research incorporate them  Peer review 3	D1c, D1d, D3b, D3c, F2a
5	Abstract and keyword analysis. Who is this legible to? Humans and algorithms  Student presentation 4	WHA: Write an academic abstract and a broad appeal abstract of your research.  Peer review 4	D1c, D1d, D3b, D3c, F2a
6	Analyzing implicit and explicit structures of article  Student presentation 5	WHA: compare the structure of 1 traditional scientific paper with 1 ethnographic or interpretive works  Peer review 5	D1a, D1b, D2a, D3a, F2a
7	Graphical abstracts	WHA: draw your paper	D3c

	Student presentation 6	Peer review 6	
8	Posters: debate the traditional model vs. the new model of centralized finding in simplest terms  Student presentation 7	WHA: Compare one poster with its published version.  Peer review 7	D1b, D1c, D2d, D3b, D3c
9	Oral presentations at conferences  Student presentation 8	WHA: analyze the structure of one recorded keynote lecture  Peer review 8	D1b, D1c, D2d, D3b, D3c
10	Podcasts and TED talks  Student presentation 9	WHA: analyze the structure of one podcast episode of ted talk  Peer review 9	D1b, D1c, D2d, D3b, D3c
11	Social media and blog posts  Student presentation 10	WHA: Evaluate the impact and reliability of social media scientific channels  Peer review 10	D1b, D1c, D3b, D3c
12	Proposal Drafts  Student presentation 11	WHA: Proposal one-pager: hypothesis, goals and methods  Peer review 11	D1b, D1c, D3b, D3c, F2c
13	Final oral presentations: 1 idea, multiple communication venues	Peer Review 12	D1b, D1c, D3b, D3c
14	Final paper		D1b, D1c,

## COURSE READINGS

Heard SB. 2016. *The Scientist's Guide to Writing: How to Write More Easily and Effectively Throughout Your Scientific Career*. Princeton.

Wilkinson C & Weitcamp E. 2016 *Creative research communication: Theory and practice*. Manchester University Press.

Articles and book chapters complementing each week's topics will be made available during the week before each class.

## **ALIGNED PROGRAM GOALS, LEARNING OUTCOMES AND PROFICIENCIES**

A. = program goal

1. = learning outcome

a. = proficiency

### **D. Effectively communicate anthropological research and ideas to different audiences and through different outlets.**

D1. Write anthropological contribution of their research to academic audience

- a. Evaluate the different academic venues available for communicating their work. (B)
- b. Select the most appropriate academic venue for their specific work. (B)
- c. Understand the norms and structures of academic communication. (I)
- d. Write clearly and in the appropriate format for the selected audience. (A)

D2. Orally present anthropological contribution of their research to academic audience

- a. Evaluate the different academic venues available for communicating their work. (B)
- b. Select the most appropriate academic venue for their specific work. (B)
- c. Understand the norms and structures of academic communication. (I)
- d. Present clearly and in the appropriate format for a selected audience. (A)

D3. Explain anthropological contribution of their research to broader audience

- a. Recognize different audiences with different needs (e.g., age, locality, educational background). (B)
- b. Know the requirements and expectations for different outlets, e.g., social media, news feeds, podcasts, blogs. (I)
- c. Transmit research clearly through different media formats. (A)

### **F. Meet ethical, collegial, and professional expectations in research, teaching, collaboration, and other professional endeavors.**

F1. Plan a career

- c. Follow ethical and professional guidelines defined by the professional associations relevant to the student's career. (I)
- d. Foster collegial relationships. (A)

F2. Develop a publication record

- a. Identify appropriate venues and expectation. (B)
- b. Follow ethical guidelines in publishing and reviewing. (I)
- d. Foster collegial feedback and support for publication among peers. (A)

# ANTHROPOLOGY 7720

## TEACHING ANTHROPOLOGY

Brutus Buckeye  
brutus.1@osu.edu  
4034 Smith Laboratory  
(614) 247-7426

Spring 2021  
TR 9:35-10:55  
4094 Smith Laboratory  
Walk-in hours: W10-12PM or by appointment

### COURSE DESCRIPTION

This course introduces graduate students to the scholarship and practice of teaching ...

### COURSE GOALS

The goal of the course is to train students to become effective teachers in anthropology and this entails that students will be able to:

1. Teach with attention to inclusion of multiple perspectives and demographics.
2. Incorporate scholarship of teaching and learning into their practice of teaching.
3. Develop a teaching portfolio that demonstrates their professional teaching skills and experience.
4. Meet ethical, collegial, and professional expectations in research, teaching, collaboration, and other professional endeavors.

### REQUIRED READING

There is one required book: *Gooblar, David. 2019. The missing course: Everything they never taught you about college teaching. Cambridge (MA): Harvard University Press.* Additional required and recommended readings will be made available through Carmen. You are expected to have read the assigned readings once or twice before you come to class. As you read, highlight, take notes, summarize, look up new words or concepts, and come with questions for me and/or your classmates. In short, be prepared to discuss the readings in class and bring the readings to class. I also recommend you to go over the readings once more after class.

## LEARNING OUTCOMES

The goal of the course is to train students to become effective teachers in anthropology and this entails that students will be able to:

1. Teach with attention to inclusion of multiple perspectives and demographics.
  - a. Identify how diversity shapes student learning. (E1a)
  - b. Reflect on how personal background shapes teaching and learning. (E1b)
  - c. Design course that incorporate multiple perspectives. (E1c)
  - d. Teach with attention to inclusion of multiple perspectives and demographics. (E1d)
  
2. Incorporate scholarship of teaching and learning into their practice of teaching.
  - a. Identify a range of relevant education and pedagogical theories within the scholarship of teaching and learning. (E2a)
  - b. Design a range of teaching practices that incorporate relevant education and pedagogical theories. (E2b)
  - c. Use appropriate (evidence-based) strategies for teaching different anthropological materials (e.g., concepts, processes, facts, skills) (E2c) (NEW)
  - d. Use a range of effective pedagogical strategies: lecturing, discussion-leading, active-learning activities, and class management. (E2d)
  - e. Assess the effectiveness of different teaching strategies in achieving learning outcomes. (E2e)
  
3. Develop a teaching portfolio that demonstrates their professional teaching skills and experience.
  - a. Identify professional expectations in teaching (F4a)
  - b. Develop a teaching philosophy drawing from relevant pedagogical theories and evidence-based practices. (E3a)
  - a. Plan a course in anthropology using backward course design. (E3b)
  - b. Use assessment data from different learning activities to support the teaching philosophy (NEW)
  
5. Meet ethical, collegial, and professional expectations in research, teaching, collaboration, and other professional endeavors.
  - a. Constructively assess the teaching of peers. (NEW)
  - b. Foster collegial feedback and support in teaching among peers. (F4d)
  - c. Teach responsibly and ethically and follow professional guidelines defined by institutions and the professional associations. (F1c) (F4b)

## ASSESSMENTS OF LEARNING OUTCOMES

**(1) Attendance and participation:** You are expected to be actively engaged in class; that is, coming to class prepared, paying attention, and contributing to discussions and problem solving, both by making comments and by facilitating other people's participation. Because it is difficult to do well in the course if sessions are missed attendance at every class meeting is required. Late arrival and early departure are considered poor participation; they are disruptive to others and make it likely to miss essential information. Please contact me if there is an emergency situation. If you are ill and must miss a class, you are responsible for getting the notes and assignment information from your classmates.

**(2) Homework assignments.** Each week students will complete one assignment in which they design, practice, evaluate, and/or reflect on the scholarship and practice of teaching in higher education. The assignments include the following:

- Use backwards design to develop a mini-lecture, activity, homework assignment
- Observe peer and/or faculty teaching and write a teaching evaluation
- Practice a mini-lecture, activity, homework assignment
- Quiz about syllabus statements – ethical and administrative responsibilities
- Developing an inclusive teaching strategy
- Reflective essay about how personal background shapes teaching and learning
- Teaching statement that draws on theory, best practice, and evidence

**(3) Addendum.** At the end of every week – before Friday midnight – you have to submit a paragraph or two (certainly no longer than one page) in which you reflect on what you learned that week from reading, writing, seminar discussions, and observations of the introductory classes with an emphasis on what you learned from what you learn about the scholarship of teaching and learning and what you observe in the introductory classes. The goal of the assignment is for you to develop your own teaching philosophy drawing from the materials covered in class.

**Evaluation:** Course responsibilities will be weighted in the following way:

Attendance and participation	15%
Weekly assignments	40%
Addenda	20%
Teaching portfolio	25%
Total	100%

Final grades are based on the OSU Standard Scheme. A general guide to how you are doing is: A 93; A- 90-92; B+ 87-89; B 83-86; B- 80-82; C+ 77-79; C 73-76; C- 70-72; D+ 67-69; D 60-66; E < 60.

## **SYLLABUS STATEMENTS**

### **Student Well-Being Statement**

The well-being of students is of primary importance. If you are facing any challenges related to your physical or mental health, or obstacles like food or housing insecurity, please do not hesitate to get in touch to discuss ways we can put you in the best possible position to succeed.

### **Office of Disability Services Statement**

The University strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including mental health, chronic or temporary medical conditions), please let me know immediately so that we can privately discuss options. To establish reasonable accommodations, I may request that you register with Student Life Disability Services. After registration, make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. SLDS contact information: [slds@osu.edu](mailto:slds@osu.edu); 614-292-3307; [slds.osu.edu](http://slds.osu.edu); 098 Baker Hall, 113 W. 12th Avenue.

### **Title IX Statement**

Title IX makes it clear that violence and harassment based on sex and gender are Civil Rights offenses subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories (e.g., race). If you or someone you know has been sexually harassed or assaulted, you may find the appropriate resources or by contacting the Ohio State Title IX Coordinator, Kellie Brennan, at [titleix@osu.edu](mailto:titleix@osu.edu).

### **Mental Health Statement**

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### **Diversity Statement**

The Ohio State University affirms the importance and value of diversity in the student body. Our programs and curricula reflect our multicultural society and global economy and seek to provide opportunities for students to learn more about persons who are different from them. We are committed to maintaining a community that recognizes and values the inherent worth and dignity of every person; fosters sensitivity, understanding, and mutual respect among each member of our community; and encourages each individual to strive to reach his or her own potential. Discrimination against any individual based upon protected status, which is defined as age, color, disability, gender identity or expression, national origin, race, religion, sex, sexual orientation, or veteran status, is prohibited.

### **Committee on Academic Misconduct Statement**



All students should become familiar with the rules governing academic misconduct, especially as they pertain to plagiarism and cheating. Ignorance of the rules is not an excuse and all alleged cases of academic misconduct will be reported to the Committee on Academic Misconduct. It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term “academic misconduct” includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-487). For additional information, see the [Code of Student Conduct](#).

## **TENTATIVE SCHEDULE WITH COURSE READINGS**

### **W1. Topic**

Readings

### **W2. Topic**

Readings

### **W3. Topic**

Readings

### **W4. Topic**

Readings

### **W5. Topic**

Readings

### **W6. Topic**

Readings

### **W7. Topic**

Readings

### **W8. Topic**

Readings

### **W9. Topic**

Readings

### **W10. Topic**

Readings

**W11. Topic**

Readings

**W12. Topic**

Readings

**W13. Topic**

Readings

**W14. Topic**

Readings

**W15. Synthesis**

# **ANTHROPOLOGY 8828**

## **WRITING RESEARCH PROPOSALS IN ANTHROPOLOGY**

Instructor: Brutus Buckeye  
brutus.1@osu.edu  
4034 Smith Laboratory  
Tel. (614) 292-4149

Spring 2021  
Hours of instruction: TR 11:10 – 12:30  
Classroom: Smith Lab 4094  
Office hours: W 12-3 PM or by appointment

### **COURSE DESCRIPTION**

The primary focus of this course is on writing competitive grant proposals in anthropology and students should use this course to develop their own research and grant proposals. The class will meet twice a week. Tuesdays are devoted to discussing the different aspects of proposal writing and project management (e.g., literature review, research design, data management, budget, IRB review, and grant administration). Thursdays are devoted to workshops in which we will critically review each other's work. This course will be taught as a seminar. This means that students share responsibility for the success of the course and have to come to class prepared, i.e., having read and reflected on the readings, and completed the assignments.

### **COURSE GOALS**

The goal is to train students to write competitive grant proposals, and this entails that students will be able to:

1. Develop their own conceptual framework drawing from anthropological (and other) theories.
2. Apply anthropological theory to their research questions.
3. Design a research project that links research questions to data being generated, methods to be used, and data analysis.
4. Consider issues of justice, beneficence, and autonomy when conducting research with human or animal subjects.
5. Develop professional skills for submitting and administering grant proposals.
6. Develop professional skills for reviewing grant proposals.

### **LEARNING OUTCOMES**

The goal is to train students to write competitive grant proposals, and this entails that students will be able to:

1. Develop their own conceptual framework drawing from anthropological (and other) theories.
  - f. Reflect on their own worldviews. (B3a)
  - g. Compare own worldviews with theoretical paradigms. (B3b)
  - h. Construct their own conceptual framework integrating relevant theoretical paradigms. (B3c)
  - i. Articulate clearly their own conceptual framework. (B3d)
  - j. Use conceptual framework to develop research question and rigorous methods. (C2c)

2. Apply anthropological theory to their research questions.
  - d. Identify relevant theoretical frameworks for a research question. (C2a)
  - e. Connect the theoretical frameworks to a meaningful research question. (C2b)
  - f. Evaluate how multiple theoretical frameworks can be used to address a research question. (B2c)
  - g. Connect appropriate anthropological theories to meaningful research questions. (B2d)
3. Design a research project that links research questions to data being generated, methods to be used, and data analysis.
  - a. Formulate clear research questions, hypotheses, and objectives. (C1a)
  - b. Identify the necessary data needed to answer research questions, evaluate hypotheses and/or achieve objectives. (C1b)
  - c. Identify the appropriate methods to generate the necessary data. (C1c)
  - d. Identify the appropriate population, sample, sample size, and sampling techniques from which to generate the necessary data. (C1d)
  - e. Identify the appropriate methods to analyze the data to answer the research questions and/or evaluate the hypotheses. (C1e)
  - f. Communicate the research design in a research proposal. (C1f)
4. Consider issues of justice, beneficence, and autonomy when conducting research with human or animal subjects.
  - a. Consider how to respect human subjects, protect their autonomy, and obtain informed consent. (C5a)
  - b. Consider and weigh the costs and benefits of the research activities for human subjects. (C5b)
  - c. Consider how research activities are administered fairly and equally among potential research participants. (C5c)
  - d. Consider what permits, permissions, and approvals are necessary for research in a timely manner. (C5d)
5. Develop professional skills for submitting and administering grant proposals
  - a. Identify appropriate funding organizations and expectations. (F3a)
  - b. Writing budgets that align with the research goals outlined in the proposal. (NEW)
  - c. Knowing the institutional infrastructure that supports grant submission and administration. (NEW)
  - d. Follow ethical guidelines when submitting proposals, administering grants, and reporting. (F3b, F1c)
  - e. Keep Wayne happy. (F3e)
6. Develop professional skills for reviewing grant proposals
  - e. Foster collegial feedback and support in grant writing among peers. (F3c, F1d)
  - f. Know the review criteria for evaluating grant proposals of different organizations. (NEW)
  - g. Apply the criteria and write a review that is critical, supportive, and professional. (NEW)
  - h. Respond timely to requests for grant review. (NEW)

## ASSESSMENT OF LEARNING OUTCOMES

**WEEKLY HOMEWORK ASSIGNMENTS:** Over the course of the semester students will write two grant proposals in small, cumulative assignments. First students will write a proposal for Wenner-Gren (WG) and then one for the National Science Foundation (NSF).

**CITI:** Complete the Social and Behavioral Research module on the ORRP website. **C5a-d**

**WG1:** Describe your research question/hypothesis or research objective. That is, what will be the focus of your investigation? **B2d, B3c-d, C1a, C2a-b**

**WG2:** How does your research build on existing scholarship in anthropology and closely related disciplines? Give specific examples of this scholarship and its findings. **B2c-d, B3c-d, C1a, C2a-c**

**WG3:** What evidence will you need to collect to answer your research question? How will you go about collecting and analyzing this evidence? **B3d, C1a-f, C2c**

**WG4:** Describe your training and preparedness for this research (examples: language competence, technical skills, previous research, and any other relevant experience). Describe any work you have already done on this project, and/or how it relates to your prior research. If you are collaborating with other academic personnel describe their role/s in the project and the nature of the collaboration. **B3d, C1a-f, C2c**

**WG5:** The goal of the Wenner-Gren Foundation is to support original and innovative research in anthropology. What contribution does your project make to anthropological theory and to the discipline? **B2c-d, B3c-d, C2a-c**

**NSF1:** Project Summary must include as separate sections an Overview, the Intellectual Merit, and the Broader Impacts of the proposed activity and be no longer than 1 page. The Project Summary should be informative to other persons working in the same or related fields, and, insofar as possible, understandable to a broad audience within the scientific domain. It should not be an abstract of the proposal. **B2d, B3c-d, C1a, C2a-b**

**NSF2:** Research problem is a statement of the research problem and its scientific importance, specific aims, expectations, or hypotheses **B2d, B3c-d, C1a, C2a-b**

**NSF3:** Literature review of the scholarly literatures relevant to the project and an explanation of how the project will move those literatures and related theory forward. **B2c-d, B3c-d, C1a, C2a-c**

**NSF4:** Research design that includes a discussion of the research site(s) and source(s) of data, the methods by which data will be collected, and the reasons those methods are the most appropriate; and a developed data analysis plan (usually at least a page in length) and a research schedule or timeline. Qualifications includes a discussion of any preliminary studies performed by the student, the results of those studies, and how they inform the project; and an account of whether the student has the relevant technical training, language competence, and other preparation necessary to make the project feasible. **B3d, C1a-f, C2c**

**NSF5:** Budget and budget justification. However, I do want to see a detailed budget with dollar amounts and a justification that explains why you need to spend these funds in this way. Remember, a budget is part of the research design: you should ask for all the funds that you need in order to complete your research. For example, if you are going to map a trail, you need to ask for a GPS. **F1c, F3b**

**NSF6:** Data management plan that explains what data will be collected, what metadata will be used, how the data will be managed, and plans for long-term data storage and sharing. **F1c, F3b**

**Run a SPIN:** set up an automated search and email alert in the SPIN database to find appropriate funding sources and put together an annotated list of these funding sources with deadlines, eligibility requirements, funding restrictions, etc. **F3a-b**

**PEER REVIEW:** Every Thursday we will have a workshop in which we will critically review the weekly assignments. Each week we will collectively review the work of two or three students (depending on the number of students enrolled in the course). In addition, students will pair up with one fellow student each week to critically review each other's work using the NSF guidelines for reviewers. Students will change review partners every week and submit a written review at the end of each Thursday using the discussion feature of the wiki. **F1d, F3d**

**RESERCH PROPOSALS:** You will design and write two grant proposals for your own research project: one for Wenner-Gren and one for the National Science Foundation. Sections of the proposal are due over the course of the semester (see schedule below). The proposal should follow the guidelines of the respective agencies. The Wenner-Gren proposal is due mid-semester and the NSF proposal is due at the end of the semester Students also have the option to target the second proposal for a funding agencies that funds non-academic research. **B2c-d, B3a-d, C1a-f, C2a-c**

**Evaluation:** Course responsibilities will be weighted in the following way:

Weekly assignments (13)	25%
Peer reviews (11)	25%
Wenner-Gren proposal	25%
NSF proposal	25%
Total	100%

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Required and recommended readings will be made available through Carmen. You are expected to have read the assigned readings once or twice before you come to class. As you read, highlight, take notes, summarize, look up new words or concepts, and come with questions for me and/or your classmates. In short, be prepared to discuss the readings in class and bring the readings to class. I also recommend you to go over the readings once more after class.

## TENTATIVE COURSE SCHEDULE

Week	Content	Assignment/Exam	Learning Outcome(s)
1	Introduction	Complete CITI	C5a-d
2	Conceptual frameworks	WG1 research problem, peer review	B2d, B3c-d, C1a, C2a-b
3	Literature review	WG2 literature review, peer review	B2c-d, B3c-d, C1a, C2a-c
4	Research design	WG3 research design, peer review	B3d, C1a-f, C2c
5	How professors think	WG4 qualifications, peer review	B3d, C1a-f, C2c
6	Successful grants	WG5 contributions, peer review	B2c-d, B3c-d, C2a-c
7	Wenner-Gren Foundation	Wenner-Gren Proposal, peer review	B2c-d, B3a-d, C1a-f, C2a-c
8	National Science Foundation	NSF1 summary, peer review	B2d, B3c-d, C1a, C2a-b
9	How program directors think	NSF2 research problem, peer review	B2d, B3c-d, C1a, C2a-b
10	Broader impacts	NSF3 literature review, peer review	B2c-d, B3c-d, C1a, C2a-c
11	Data management plan	NSF4 research design, peer review	B3d, C1a-f, C2c
12	Budget	NSF5 budget, peer review	F1c, F3b
13	Responsible conduct of research	NSF6 data management, peer review	F1c, F3b

14	Finding grants	Run a SPIN	F3a-b
Exam Week		NSF proposal	B2c-d, B3a-d, C1a-f, C2a-c

## TENTATIVE SCHEDULE WITH COURSE READINGS

### WEEK 1: INTRODUCTION

**January 8: Introduction to course**

Read: Przeworski and Salomon (1995)

**January 10: Parsing requests for proposals**

Read: Wenner-Gren application procedures (2012)

### WEEK 2: CONCEPTUAL FRAMEWORKS

**January 15: Conceptual frameworks**

Read: Ravitch and Riggan (2012:1-33)

**January 17: Workshop**

- Assignment due: WG1

### WEEK 3: LITERATURE REVIEW

**January 22: Literature review**

Read: Jesson et al. (2011:73-102)

**January 24: Workshop**

- Assignment due: WG2

### WEEK 4: RESEARCH DESIGN

**January 29: Research strategies**

Read: Johnson (1998), Ravitch and Riggan (2012:29-49)

**January 31: Workshop**

- Assignment due: WG3

### WEEK 5: HOW PROFESSORS THINK

**February 5: How panels work**

Read: Lamont (2009:1-52)

Speaker: Barbara Piperata

**February 7: Workshop**

- Assignment due: WG4

### WEEK 6: SUCCESSFUL GRANTS

**February 12: Panel with graduate students**

Read: Watts (2006)

Speakers: Abigail Buffington, Mary Beth Cole, Elizabeth Gardiner, Kelly Yotebieng

**February 14: Workshop**

- Assignment due: WG5

### WEEK 7: WENNER-GREN

**February 19: Workshop**

- Assignment due: Wenner-Gren proposal

**February 21: Meet the director**

Read: Wenner-Gren Foundation (Aiello 2016)  
Speakers: Danilyn Rutherford, director Wenner-Gren Foundation

#### **WEEK 8: WRITING FOR NSF**

##### **February 26: Reading the GPG**

Read: NSF Grant Proposal Guide (2011), Jones (2009), Winslow (2012)

##### **February 28: Workshop**

- Assignment due: NSF1 project summary

#### **WEEK 9: HOW PROGRAM DIRECTORS THINK**

##### **March 5: Program directors**

Read: McCullough (1994), Lamont and White (2009)

Speaker: Jeffrey Mantz

##### **March 7: Workshop**

- Assignment due: NSF2 research problem

#### **SPRING BREAK – NO CLASS**

#### **WEEK 10: BROADER IMPACTS**

##### **March 19: Outreach and engagement**

Read: Mathieu et al. (2009)

Speaker: Jeff Agnoli

##### **March 21: Workshop**

- Assignment due: NSF3 literature review

#### **WEEK 11: DATA MANAGEMENT PLAN**

##### **March 26: Data management at the Research Commons**

Read: Holdren (2013), Michener (2015), and Parham et al (2016)

Speaker: Meris Longmeier

##### **March 28: Workshop**

- Assignment due: NSF4 research design

#### **WEEK 12: BUDGET**

##### **April 2: Budgets and budget justification**

Read: Pain (2017) and O'Donnell (2014)

Speaker: Laurie Rosenberg and Wayne Miller

##### **April 4: Workshop**

- Assignment due: NSF5 budget and budget justifications

#### **WEEK 13: RESPONSIBLE CONDUCT OF RESEARCH**

##### **April 9: Responsible Conduct of Research**

Read: AAA code of ethics (and AAA blog), Winslow (2006)

Speaker: Joni Barnard from ORRP

##### **April 11: Workshop**

- Assignment due: NSF6 data management plan

#### **WEEK 14: FINDING GRANTS**

##### **April 16: Finding grants**

Read: ...

Guest speaker: Jill Morris

**April 18: Grant writing lessons in 140 / 280 characters**

● Assignment: pitch your proposal in 140 characters

## FINALS WEEK

→ *The final NSF proposal is due on Monday 29 April before 5 PM.*

## REQUIRED READINGS

Council on Governmental Relations (COGR)

2006 Access to and Retention of Research Data Rights and Responsibilities. Washington DC: Council on Governmental Relations (COGR) - an association of research universities.

Jesson, Jill K., Lydia Matheson, and Fiona M. Lacey

2011 Doing your literature review. Los Angeles: Sage.

Johnson, J. C. (1998). Research design and research strategies. In R. H. Bernard (Ed.), *Handbook of methods in cultural anthropology* pp. 131-171). Walnut Creek (CA): Altamira Press.

Jones, James H.

2009 Grant Advice: some notes on writing an NSF proposal.

Lamont, Michele

2009 How professors think: Inside the curious world of academic judgment. Cambridge (Massachusetts): Harvard University Press.

Locke, Lawrence F., Waneen Wyrick Spirduso, and Stephen J. Silverman

2007 Proposals that work: a guide for planning dissertations and grant proposals. Sage: Thousand Oaks (CA).

Mathieu, R. D., et al.

2009. "Leveraging the NSF Broader-Impacts Criterion for Change in STEM Education." *Change* 41(3): 50-55.

McCullough, James

1994 The role and influence of the US national science foundation's program officers in reviewing and awarding grants. *Higher Education* 28:85-94.

Orwell, George.

1946. *Politics and the english language.*

O'Donnell, Jonathan.

2014. How to make a simple research budget. *The Research Whisperer.*

Pain, Elisabeth.

2017. How to budget your grant proposal. *Science Magazine*, September 27, 2017.

Pinker, Steven.

2014. Why academics stink at writing. *Chronicle of Higher Education.*

Przeworski, Adam, and Frank Salomon

1995 *The Art of Writing Proposals: Some Candid Suggestions for Applicants to Social Science Research Council Competitions.* New York: Social Science Research Council.

Ravitch, Sharon M., and Matthew Riggan

2012 Reason & Rigor: How conceptual frameworks guide research. Los Angeles (CA): Sage.

Watts, Michael

2006 In Search of the Holy Grail: Projects, Proposals and Research Design. *In Method is the Madness.* E. Perecman, ed. Pp. 175-197. New York: Sage.

Winslow, Deborah

2006 NSF supports ethnographic research. *American ethnologist* 33(4):519-521.

Winslow, Deborah

2012 SBE Doctoral Dissertation Research Improvement Grants. Arlington (VA): US NSF - SBE - BCS - Cultural Anthropology.

## **ALIGNED PROGRAM GOALS, LEARNING OUTCOMES AND PROFICIENCIES**

A. = program goal

1. = learning outcome

a. = proficiency

### **B. Students will understand how anthropologists use and have used theory to describe and explain the world.**

2. Connect anthropological theories to research endeavors.
  - c. Evaluate how multiple theoretical frameworks can be used to address a research question. (A)
  - d. Connect appropriate anthropological theories to meaningful research questions. (A)
3. Construct their own conceptual framework drawing from anthropological (and other) theories.
  - a. Reflect on their own worldviews. (B)
  - b. Compare own worldviews with theoretical paradigms. (B)
  - c. Construct their own conceptual framework integrating relevant theoretical paradigms. (A)
  - d. Articulate clearly their own conceptual framework. (A)

### **C. Understand how to design, conduct, and evaluate research that makes theoretical and practical contributions to anthropology and beyond.**

1. Design a research project that links research questions to data being generated, methods to be used, and data analysis.
  - a. Formulate clear research questions, hypotheses, and objectives. (B)
  - b. Identify the necessary data needed to answer research questions, evaluate hypotheses and/or achieve objectives. (B)
  - c. Identify the appropriate methods to generate the necessary data. (B)
  - d. Identify the appropriate population, sample, sample size, and sampling techniques from which to generate the necessary data. (I)
  - e. Identify the appropriate methods to analyze the data to answer the research questions and/or evaluate the hypotheses. (A)
  - f. Communicate the research design in a research proposal. (A)
2. Apply anthropological theory to their research questions.
  - a. Identify relevant theoretical frameworks for a research question. (B)
  - b. Connect the theoretical frameworks to a meaningful research question. (I)
  - c. Use conceptual framework to develop research question and rigorous methods. (A)
5. Consider issues of justice, beneficence, and autonomy when conducting research with human or animal subjects.
  - a. Consider how to respect human subjects, protect their autonomy, and obtain informed consent. (B)

- b. Consider and weigh the costs and benefits of the research activities for human subjects. (B)
- c. Consider how research activities are administered fairly and equally among potential research participants. (B)

**F. Meet ethical, collegial, and professional expectations in research, teaching, collaboration, and other professional endeavors.**

- 1. Plan a career
  - c. Follow ethical and professional guidelines defined by the professional associations relevant to the student's career. (I)
  - d. Foster collegial relationships. (A)
  
- 3. Develop a grant application record
  - a. Identify appropriate funding organizations and expectations. (B)
  - b. Follow ethical guidelines when submitting proposals, administering grants, and reporting. (I)
  - d. Foster collegial feedback and support in grant writing among peers. (A)

# ANTHROPOLOGY 5005

## QUANTITATIVE ANALYSES

Instructor: Brutus Buckeye

Spring 2021

brutus.1@osu.edu

Hours of instruction: TR 11:10 – 12:30

4034 Smith Laboratory

Classroom: Smith Lab 4094

Tel. (614) 292-4149

Office hours: W 12-3 PM or by appointment

### COURSE DESCRIPTION

This course will review the most common quantitative techniques applied in the anthropological and other social sciences, focusing on the different research questions that could require these quantitative techniques. The course will focus on research questions raised by students and will use student data, when available, in exercises in order to discuss and interpret the results generated by these quantitative approaches. Special emphasis will be put on the principles behind quantitative methods and when and how to apply statistics, aiming towards creating a broad knowledge of the application of these techniques instead of the mathematical specificities of each test. This course will train the students in the use of the open-source statistical software R and some of its most user-friendly packages (R commander).

### READING

Recommended:

- Sirkin, M. 2005. *Statistics for the Social Sciences*. SAGE Publications, Inc.
- Drennan, RD. 2010. *Statistics for Archaeologists*, 2nd Edition. Springer.
- Sokhal, RR, Rohlf, FJ. 2011. *Biometry*. W. H. Freeman

Complementary readings will be made available through Carmen. You are expected to have read the assigned readings once or twice before you come to class. As you read, highlight, take notes, summarize, look up new words or concepts, and come with questions for me and/or your classmates. In short, be prepared to discuss the readings in class and bring the readings to class. I also recommend you to go over the readings once more after class.

## **COURSE GOALS**

The goal is to train students to be proficient in the application of quantitative analysis to research projects and anthropological and other social sciences. This entails that students will be able to:

- Understand basic quantitative analyses and when their application is appropriate.
- Understand the reason why quantitative analyses have become such an important part of scientific research.
- Learn how to design a quantitative research project, caring for appropriate sampling techniques.
- Learn how to handle and explore data and how to deal with outliers and missing values.
- Understand the nature of the different types of variables common in anthropological sciences.
- Learn how to apply and interpret results from the most common statistical analyses, and how to apply them to specific research questions.
- Learn how to use R to run statistical analyses and how to interpret the results output.

## **LEARNING OUTCOMES**

At the end of the course, entails that students will be able to:

1. Design a research project that links theory to research questions, generated data, methods, and data analysis.
  - a. Identify the appropriate population, sample, sample size, and sampling techniques from which to generate the necessary data. (C1b)
  - b. Identify the appropriate methods to analyze the data to answer the research questions and/or evaluate the hypotheses. (C1c)
2. Conduct Research.
  - a. Use appropriate data management protocols. (C2c)
  - b. Use appropriate quantitative and/or qualitative data analysis methods. (C2d)
3. Write anthropological contribution of their research to academic audience
  - a. Understand the norms and structures of academic communication. (D1a)
  - b. Write clearly and in the appropriate format for the selected audience. (D1d)



4. Prepare for a career
  - a. Follow ethical and professional guidelines defined by the professional associations relevant to the student's career. (F1a)
  - b. Foster collegial relationships. (F1b)
  
5. Develop basic proficiency in quantitative theory and methods
  - a. Understand the basic principles of probability theory and how it relates to statistical inference (LL5a)
  - b. Understand how to best use visualization techniques to explore patterns in quantitative data (LL5b)
  - c. Learn to use the open-source statistical software R for basic statistical analysis (LL5c)
  - d. Use understand the most common univariate and bivariate statistical tests applied to social sciences and use them to analyze quantitative data (LL5d)

## **ASSESSMENT OF LEARNING OUTCOMES**

Classes will be divided into a theoretical lectures and weekly exercises.

The theoretical session will comprise the introduction of the topic for the week, and will cover the theoretical background necessary for students to achieve the five learning outcomes in this course.

Exercises will consist of two complementary parts:

a) Practical exercises using data provided by instructor that will allow students to practice the analysis of data using the tools and tests discussing in class. Exercises can be done in any software, although it is highly recommended that students do them in R, using R Commander and R Markdown. These exercises are central to the assessment of learning outcome 5 (Develop basic proficiency in quantitative theory and methods).

b) The analysis of a scientific article that uses the methods discussed in class, aiming at reconstructing the way by which materials and methods, and results introduced the methods applied, reported the results, and interpreted the statistical analyses. Articles will be selected by students, based on their own academic and career interests. This activity will allow students to become proficient in learning outcomes 1 through 4, by allowing them to do critical analysis of article structures, common research design narratives, and the expectations for their academic career paths.

The final examination will consist of a paper structured as a scientific article with the student's own data or data gathered from the literature. The final paper will be written in parts during the semester (Introduction, Material, Methods, Results, Discussion and Conclusions), and will be used to assess

collectively learning outcomes 1 to 5. Evaluation of the final papers will follow a rubric that evaluates each of the learning outcomes, and this evaluation will be shared with students during the semester, to guide students' efforts to those outcomes they are not meeting.

**Evaluation:** Course responsibilities will be weighted in the following way:

Practical Exercises	25%
Article review exercises	25%
Final paper introduction	15%
Final paper Materials and Methods	10%
Final paper Results	10%
Final paper Discussion and Conclusions	15%
Total	100%

Final grades are based on the OSU Standard Scheme. A general guide to how you are doing is: A 93; A- 90-92; B+ 87-89; B 83-86; B- 80-82; C+ 77-79; C 73-76; C- 70-72; D+ 67-69; D 60-66; E< 60.

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Week	Content	Assignment	Deadlines	Learning outcome
1	Introduction to course and quantitative methods  Research Design; Sampling	Research design narrative		C1b, C1c, C2c, LL5a, LL5b, LL5d
2	Key concepts; Descriptive stats  Probability theory and hypothesis testing	Final paper data selection/presentation	Narrative + Presentation	C1b, C1c, C2d, D1a, D1d, LL5a, LL5b
3	Introduction to R, R Commander, and R Markdown			C2c, LL5c
4	Data Presentation	Exercise 1 – Data presentation  Article analysis	Hypotheses + presentation	C1b, C1c, C2c, C2d, D1a, D1d, LL5b, LL5c, LL5d
5	Normal distribution; one sample tests	Exercise 2 – one sample test  Article analysis	Exercise 1	C2d, D1a, D1d, LL5c, LL5d
6	T-distribution and related tests	Exercise 3 – t-tests  Article analysis	Exercise 2 <b>Final paper Introduction</b>	C2d, D1a, D1d, F1a, F1b, LL5c, LL5d
7	Analysis of frequencies; Chi-square	Exercise 4 – Chi-square tests  Article analysis	Exercise 3	C2d, D1a, D1d, LL5c, LL5d
8	Analysis of Variance  Post-hoc tests	Exercise 5 – ANOVA tests  Article analysis	Exercises 4 <b>Final Paper M&amp;M</b>	C1b, C1c, C2c, C2d, D1a, D1d, F1a, F1b, LL5c, LL5d

9	Linear Regression	Exercise 6 – Linear Regression Article analysis	Exercise 5	C2d, D1a, D1d, LL5c, LL5d
10	Non-parametric tests	Exercise 7 – Non-parametric tests	Exercise 6	C2d, D1a, D1d, LL5c, LL5d
11	Correlations	Exercise 8 – Correlation tests	Exercise 7 <b>Final Paper Results</b>	C2d, D1a, D1d, F1a, F1b, LL5c, LL5d
12	Analysis of Covariance Partial correlation	Exercise 9 – ANCOVA and Partial Correlation tests	Exercise 8	C2d, D1a, D1d, LL5c, LL5d
13	Review		Exercise 9	C2d, D1a, D1d, LL5c, LL5d
14	Beyond univariate statistics		<b>Final Paper</b>	D1a, D1d, F1a, F1b, LL5b, LL5c, LL5d

## PROGRAM GOALS, LEARNING OUTCOMES AND PROFICIENCIES

### C. Understand how to design, conduct, and evaluate research that makes theoretical and practical contributions to anthropology and beyond.

3. Design a research project that links theory to research questions, generated data, methods, and data analysis.
  - g. Formulate clear research questions, hypotheses, and objectives. (B)
  - h. Identify the necessary data needed to answer research questions, evaluate hypotheses and/or achieve objectives. (B)
  - i. Identify the appropriate methods to generate the necessary data. (B)
  - j. Identify the appropriate population, sample, sample size, and sampling techniques from which to generate the necessary data. (I)
  - k. Identify the appropriate methods to analyze the data to answer the research questions and/or evaluate the hypotheses. (A)
  - l. Communicate the research design in a research proposal. (A)
- d. Conduct Research.
  - a. Develop relevant methods for data generation. (B)
  - b. Apply appropriate data generation methods. (I)
  - c. Use appropriate data management protocols. (I)
  - d. Use appropriate quantitative and/or qualitative data analysis methods. (I)

**D1. Write anthropological contribution of their research to academic audience**

- a. Evaluate the different academic venues available for communicating their work. (B)
- b. Select the most appropriate academic venue for their specific work. (B)
- c. Understand the norms and structures of academic communication. (I)
- d. Write clearly and in the appropriate format for the selected audience. (A)

**F. Meet ethical, collegial, and professional expectations in research, teaching, collaboration, and other professional endeavors.**

1. Prepare for a career

- e. Follow ethical and professional guidelines defined by the professional associations relevant to the student's career. (I)
- f. Foster collegial relationships. (A)

# **ANTHROPOLOGY 8891.05: RESEARCH DESIGN AND ETHNOGRAPHIC METHODS**

Dr. Mark Moritz  
moritz.42@osu.edu  
4058 Smith Laboratory  
Tel. (614) 247-7426

Autumn 2019  
Hours of instruction TR 9:35-10:55  
Classroom: 018 Enarson  
Walk-in hours: T2-4PM or by appointment

## **COURSE DESCRIPTION**

The primary focus of this course is on hands-on student research activities. We cover a selection of methods that are central in ethnographic research – participant observation, writing fieldnotes, semi-structured interviews, surveys, and grounded theory. Other techniques and issues will be incorporated as they emerge from the course project. In addition to data-gathering methods, you will also learn to use quantitative and qualitative data analyses. And because methods are meaningless if they are not part of a well thought through research design, you will also learn how to design a research project and write it up in a research proposal. You will learn to design a study and be trained in different research methods by participating in a collaborative research project at the OSU campus. In this collaborative research project, we will design a study, collect data, analyze data, and write up the results in a report or presentation.

## **COURSE GOALS**

The goal is to train students in research design and ethnographic research and this entails that students will be able to:

1. Understand and appreciate the anthropological approach to the study of human behavior (anthropological approach).
2. Recognize how culture shapes their own lives and research activities (reflexivity).
3. Develop their own conceptual framework that guides the design of their own research project (conceptual framework).
4. Design a research project that links research questions to data being collected, methods to be used, and data analysis (research design)
5. Collect data on human behavior using a wide range of ethnographic methods (data collection).
6. Analyze qualitative and quantitative data to answer research questions and/or evaluate hypotheses (data analysis).
7. Consider issues of justice, beneficence, and autonomy when they conduct research with human subjects (ethical conduct)
8. Write a competitive grant proposal that communicates clearly what they want to do, why they want to do it, how they plan to do it, how they will know if they succeed (grant writing).

## **DISABILITY SERVICES**

Any student who feels s/he may need an accommodation based on the impact of a disability should contact me privately to discuss their specific needs. Please contact the Office for Disability Services at 614-292-3307 in room 150 Pomerene Hall to coordinate reasonable accommodations for students with documented disabilities.

## **COMMITTEE ON ACADEMIC MISCONDUCT STATEMENT**

All students should become familiar with the rules governing academic misconduct, especially as they pertain to plagiarism and cheating. Ignorance of the rules is not an excuse and all alleged cases of academic misconduct will be reported to the Committee on Academic Misconduct (COAM).

## **READINGS**

The following books are required reading and available in the OSU Book Store or through online booksellers like Amazon.com. Additional required and recommended readings will be made available through Carmen.

Bernard, H. Russell

2011 Research methods in anthropology: qualitative and quantitative approaches. Fifth edition. Walnut Creek (CA): Altamira Press.

Emerson, Robert M., Rachel I. Fretz, and Linda L. Shaw

2011 Writing ethnographic fieldnotes. Chicago: University of Chicago Press. Second edition.

All assigned readings are mandatory. You are expected to have read the assigned readings once or twice before you come to class. As you read, highlight, take notes, summarize, look up new words or concepts, and come with questions for me and/or your classmates. In short, be prepared to discuss the readings in class and bring the readings to class. I also recommend you to go over the readings once more after class.

## **COURSE REQUIREMENTS AND EVALUATION**

The course organization is relatively simple: on Tuesdays we discuss the readings for that week's topic and how it applies to students' own research projects and on Thursdays we apply the lessons to a collaborative research project. There are two different sets of homework: Tuesday's homework focuses on the readings and how it informs your own research project, while Thursday's homework is all about the collaborative course project.

**Attendance and participation:** You are expected to be actively engaged in class; that is, coming to class prepared, paying attention, and contributing to discussions and problem



solving, both by making comments and by facilitating other people's participation. Because it is difficult to do well in the course if sessions are missed *attendance at every class meeting is required*. Late arrival and early departure are considered poor participation; they are disruptive to others and make it likely to miss essential information. Please contact me if there is an emergency situation. If you are ill and must miss a class, you are responsible for getting the notes and assignment information from your classmates.

**Tuesday homework assignments:** You will read the assigned readings for the week and use the prompts to write a reflective note that is no longer than two pages long.

**Collaborative course project:** You will learn to design a study and train in different research methods by participating in a hands-on collaborative research project. The course project in Autumn 2018 will examine questions about the role of technology in the classroom at OSU. To study this topic, we will use a wide range of different ethnographic methods, including participant observations and semi-structured interviews with students and faculty. We will write up the results and present them to the director and staff of the Office of Distance Education and eLearning (ODEE) and other interested stakeholders.

**Research Proposal:** You will design and write one proposal for your own research project (real or imaginary). The proposal is divided in six parts: problem statement, literature review, objectives, data collection, data analysis, and project significance. You will write one draft and one final version as a grant proposal for the National Science Foundation. You will receive detailed instructions on what to cover in each section. The complete research proposal is due in finals week. I recommend that you continuously revise and update your proposal over the course of the semester.

**Evaluation:** Course responsibilities will be weighted in the following way:

Attendance and participation	10%
Reflective Notes (15)	30%
Collaborative Project assignment (9)	30%
Research proposal final version	30%
Total	100%

Final grades are based on the OSU Standard Scheme. A general guide to how you are doing is: A 93; A- 90-92; B+ 87-89; B 83-86; B- 80-82; C+ 77-79; C 73-76; C- 70-72; D+ 67-69; D 60-66; E < 60.

## SCHEDULE AND TOPICS

### WEEK 1: ETHNOGRAPHIC RESEARCH

Read: Agar (2006), Henrich et al. (2010), Bernard (2011- CH1-2), Small (2008)

T8/20: Discussion of anthropological approach

R8/22: Discussion of ethnography and course project

### WEEK 2: RESPONSIBLE CONDUCT OF RESEARCH

Read: AAA Code of Ethics (2012), AAA Statement on IRB (2004), Tobin et al. (1991:1-11), Weisner (1997)

● *Complete CITI test*

T8/27: Discussion of ethical issues in students' research

R8/29: Discussion of Preschool in three cultures – an example of ethnography

### WEEK 3: CONCEPTUAL FRAMEWORKS

Read: Ravitch and Riggan (2012:1-49), Emerson (2011:1-20)

● *CP assignment due: (1) literature*

R9/3: Discussion of conceptual frameworks

T9/5: Compare and discuss relevant literature

### WEEK 4: RESEARCH DESIGN

Read: Johnson (1998:131-167), Bernard (2011:54-112), Cliggett (2005:23-46),

T9/10: Discussion of research design

R9/12: Discuss Cliggett as example of research design

### WEEK 5: PARTICIPANT OBSERVATION

Read: Spradley (1980:63-84), Bernard (2011:256-290), Emerson (2011:21-44)

● *CP assignment due: (2) objectives*

T9/17: Lecture on participant observation

R9/19: Discuss objectives and develop observation protocol

### WEEK 6: WRITING FIELDNOTES

Read: Bernard (2011:291-336), Emerson (2011:45-88)

● *CP assignment due (3) observations*

T9/24: Lecture on writing fieldnotes

R9/26: Compare and discuss observations, develop a more focused protocol

### WEEK 7: SEMI-STRUCTURED INTERVIEWS

Read: Spradley (1979:55-91), Bernard (2011:156-186)

● *CP assignment due: (4) fieldnotes*

T10/1: Lecture on semi-structured interviews

R10/3: Compare and discuss focused observations, develop an interview guide

## **WEEK 8: QUALITATIVE DATA ANALYSIS I**

Read: Bernard (2011:337-345,407-457), Emerson (2011:89-128)

T10/8: Lecture on grounded theory and grant writing

No class because of Autumn Break

## **WEEK 9: SAMPLING**

Read: Bernard (2011:113-155), Emerson (2011:129-170)

● *CP assignment due: (5) semistructured interviews*

T10/15: Lecture on sampling (and writing grant proposals)

R10/17: Compare and discuss interview reports

## **WEEK 10: QUALITATIVE DATA ANALYSIS II**

Read: Charmaz (2001), Emerson (2011:171-200)

T10/22: Example of grounded theory from Charmaz

R10/24: Grounded theory exercise

## **WEEK 11: STRUCTURED INTERVIEWS I**

Read: Bernard (2011:187-255)

● *CP assignment due: (6) grounded theory*

T10/29: Grounded theory of fieldnotes and interviews

R10/31: Lecture on surveys and survey development

## **WEEK 12: STRUCTURED INTERVIEWS II**

Read: Trochim (2005:76-86)

● *CP assignment due: (7) structured interviews*

T11/5: More work on survey

R11/7: Preparing for quantitative data analysis

## **WEEK 13: QUANTITATIVE DATA ANALYSIS**

Read: Bernard (2011:458-558)

● *CP assignment due: (8) quantitative data analysis*

T11/12: Lecture on quantitative data analysis (and data management)

R11/14: Compare and discuss quantitative data analysis

## **WEEK 14: PRESENTING RESEARCH (AAA MEETINGS)**

Read: Matthews (2005:799-808), Emerson (2011:201-248), Tracy (2012:109-135)

● *CP assignment due: (9) writing*

T11/19: Interpreting all our results

R11/21: Discussion of writing up qualitative research

## **WEEK 15: REVISITING RESEARCH DESIGN**

T11/27: Revisiting research design

No class because of Thanksgiving Break

## **WEEK 16: WRAPPING UP**

T12/3: Presentation of results for stakeholders + SEIs

## FINALS WEEK

△ Grant proposal is due Friday 6 December before 12 noon in the Carmen Dropbox.

## REQUIRED READINGS

Agar, Michael

2006 *An Ethnography By Any Other Name ...* Forum Qualitative Sozialforschung / Forum: Qualitative Social Research.

Bernard, H. Russell

2006 [1994] *Research methods in anthropology: qualitative and quantitative approaches*. Walnut Creek (CA): Altamira Press.

Charmaz, Kathy

2001 *Grounded theory*. In *Contemporary field research: perspectives and formulations*. R.M. Emerson, ed. Pp. 335-352. Long Grove (IL): Waveland Press.

Cliggett, Lisa

2005 *Grains from grass: aging, gender, and famine in rural Africa*. Ithaca (NY): Cornell University Press. Pp. 23-46.

Emerson, Robert M., Rachel I. Fretz, and Linda L. Shaw

2011 *Writing ethnographic fieldnotes*. 2nd edition. Chicago: University of Chicago Press.

Henrich, Joseph, Steven J. Heine, and Ara Norenzayan

2010 *Most people are not WEIRD*. *Nature* 466(1 July 2010):29.

Johnson, Jeffrey C.

1998 *Research design and research strategies*. In *Handbook of methods in cultural anthropology*. R.H. Bernard, ed. Pp. 131-171. Walnut Creek (CA): Altamira Press.

Matthews, Sarah H.

2005 *Crafting Qualitative Research Articles on Marriages and Families*. *Journal of Marriage and Family* 67:799-808.

Moritz, Mark. 2016. 'Big data's 'streetlight effect': where and how we look affects what we see'.

The Conversation, May 16, 2016. [theconversation.com/big-datas-streetlight-effect-where-and-how-we-look-affects-what-we-see-58122](http://theconversation.com/big-datas-streetlight-effect-where-and-how-we-look-affects-what-we-see-58122)

Ravitch, Sharon M., and Matthew Riggan

2012 *Reason & Rigor: How conceptual frameworks guide research*. Los Angeles: Sage.

Spradley, James P.

1979 *The ethnographic interview*. New York: Wadsworth. Pp. 55-91.

Spradley, James P.

1980 *Participant observation*. New York: Wadsworth. Pp. 63-84.

Tracy, S.J.

2012 *The toxic and mythical combination of a deductive writing logic for inductive qualitative research*. *Qualitative Communication Research* 1:109-141.

Weisner, Thomas S.

1997. *The ecocultural project of human development: why ethnography and its findings matter*. *Ethos* 25 (2):177-190.

## RECOMMENDED READINGS

- Agar, Michael H.  
1996 [1980] *The professional stranger: an informal introduction to ethnography*. London: Academic Press.
- Angosino, Michael  
2002 *Doing Cultural Anthropology*. Prospect Heights (IL): Waveland Press.
- Crane, Julia G., and Michael V. Angrosino  
1992 *Field projects in anthropology: a student handbook*. Long Grove: Waveland Press.
- de Munck, Victor C. & Elisa J. Sobo, ed.  
1998 *Using methods in the field: a practical introduction and casebook*. Walnut Creek (CA): Altamira Press.
- Dewalt, Kathleen M., and Billie R. Dewalt  
2002 *Participant observation: a guide for fieldworkers*. New York: Altamira Press
- Emerson, Robert M., ed.  
2001 *Contemporary field research: perspectives and formulations*. Long Grove (IL): Waveland Press.
- Flinn, Juliana  
1998 *Freelists, ratings, averages, and frequencies: why so few students study anthropology*. *In Using methods in the field: a practical introduction and casebook*. V.C. de Munck and E.J. Sobo, eds. Pp. 85-96. Walnut Creek (CA): Altamira Press.
- Galman, Sally Campbell  
2007 *Shane, The Lone Ethnographer: A Beginner's Guide to Ethnography* Lanham (MD): Altamira Press.
- Galman, Sally Campbell.  
2013. *The good, the bad, and the data: Shane, The Lone Ethnographer's Basic Guide to Qualitative Data Analysis*. Lanham (MD): Altamira Press.
- Henrich, Joseph, Steven J. Heine, and Ara Norenzayan  
2010 *The weirdest people in the world?* *Behavioral and Brain Sciences* 33(2-3):61-83.
- Hess JR., G. Alfred  
1999 *Using ethnography to influence public policy*. *In Using ethnographic data: interventions, public programming, and public policy*. J.J. Schensul, ed. Pp. 57-113. Walnut Creek, CA: AltaMira Press.
- Lareau, Annette  
2003 *Unequal childhoods: class, race, and family life*. Berkeley (CA): University of California Press. Pp. 1-13, 259-287.
- McCurdy, D., J. P. Spradley, and D. J. Shandy  
2005 [1972] *The cultural experience: ethnography in complex society*. Long Grove (IL): Waveland Press.
- McKillup, Steve  
2006 *Statistics explained: an introductory guide for life scientists*. Cambridge (UK): Cambridge University Press.
- O'Reilly, Karen  
2009 *Key concepts in ethnography*. Thousand Oaks (CA): Sage.
- Ottenberg, Simon  
1990 *Thirty years of fieldnotes: changing relationships to the text*. *In Fieldnotes: the*

- makings of anthropology. R. Sanjek, ed. Pp. 139-160. Ithaca (NY): Cornell University Press.
- Schensul, Jean J., and Margaret D. LeCompte, eds.  
1999 Ethnographer's toolkit. Volume 1-7. Walnut Creek (CA): Altamira Press.
- Tobin, Joseph, David Wu, and Dana Davidson  
1991 Preschool in Three Cultures: Japan, China and the United States. New Haven (CT):  
Yale University Press. Pp. 1-71.
- Weller, Susan C., and A. Kimball Romney  
1988 Systematic data collection. Newbury Park (CA): Sage.

## **LEARNING OUTCOMES**

The goal is to train students in designing and conducting ethnographic research, and this entails that students will be able to:

1. Understand and appreciate the anthropological approach to the study of human behavior (anthropological approach).
  - a. Understand other cultures without judging them by the standards of their own culture (relativistic perspective).
  - b. Consider the whole range of cross-cultural variation when formulating hypotheses about human behavior and societies (comparative perspective).
  - c. Understand that elements of culture are interrelated and should be understood within context (holistic perspective)
  - d. Understand what culture is and how it shapes how humans experience, perceive and act in the world (culture concept).
  - e. Understand why and how anthropologists study cross-cultural variation (epistemology).
  - f. Understand how culture shapes their own lives and research activities (reflexivity).
2. Develop their own conceptual framework that guides the design of their own research project (conceptual framework).
  - a. Explain what a conceptual framework is.
  - b. Reflect on what personal motivations drive research.
  - c. Use relevant and appropriate theoretical paradigms.
  - d. Articulate clearly and logically their own conceptual framework.
  - e. Convince reader of importance of topic and rigor of approach.
3. Design a research project that links research questions to data being collected, methods to be used, and data analysis (research design).
  - a. Formulate clear research questions, hypotheses, and objectives.
  - b. Identify the necessary data needed to answer research questions, evaluate hypotheses and/or achieve objectives.
  - c. Identify the appropriate methods to collect the necessary data.
  - d. Identify the appropriate population, sample, sample size, and sampling techniques from which to collect the necessary data.
  - e. Identify the appropriate methods to analyze the data to answer the research questions and/or evaluate the hypotheses.
4. Collect data on human behavior using a wide range of ethnographic methods (data collection).

- a. Develop an observation protocol, conduct systematic observations, and write expanded fieldnotes.
  - b. Develop a semi-structured interview guide, conduct semi-structured interviews, and transcribe the interview.
  - c. Develop a survey instrument, administer the survey online, and manage the survey data in a spreadsheet.
5. Analyze qualitative and quantitative data to answer research questions and/or evaluate hypotheses (data analysis).
  - a. Analyze qualitative data from observations and semi-structured interviews using a grounded theory approach.
  - b. Analyze quantitative survey data using simple descriptive, comparative, and correlational statistics.
6. Consider issues of justice, beneficence, and autonomy when they conduct research with human subjects (ethical conduct)
  - a. Consider how to respect human subjects, protect their autonomy, and obtain informed consent (respect for persons).
  - b. Consider and weigh the costs and benefits of the research activities for human subjects (beneficence).
  - c. Consider how research activities are administered fairly and equally among potential research participants (justice).
  - d. Obtain IRB approval for research with human subjects in a timely manner.
7. Write a competitive grant proposal that communicates clearly what they want to do, why they want to do it, how they plan to do it, how they will know if they succeed (grant writing).
  - a. Explain clearly the questions that the project aims to address and why they are important.
  - b. Describe clearly the theoretical contribution of the project and how the project builds on existing theoretical knowledge.
  - c. Explain what data should be collected and how it will be analyzed to answer the research questions.
  - d. Explain the qualifications of the researcher to be able to successfully conduct the proposed research.
  - e. Explain the broader impacts of the research and potential contributions to society and how these will be assessed.

# ANTHROPOLOGY 5050

## ADVANCED METHODS

Instructor: Brutus Buckeye

Spring 2021

brutus.1@osu.edu

Hours of instruction: TR 11:10 – 12:30

4034 Smith Laboratory

Classroom: Smith Lab 4094

Tel. (614) 292-4149

Office hours: W 12-3 PM or by appointment

### COURSE DESCRIPTION

This course will review the most common multivariate quantitative techniques applied in the anthropological and other social sciences, focusing on the different research questions that could require these quantitative techniques. The course will focus on research questions raised by students and will use student data, when available, in exercises in order to discuss and interpret the results generated by these quantitative approaches. Special emphasis will be put on the principles behind multivariate analytical techniques and when and how to apply them, aiming towards creating a broad knowledge of the application of these techniques instead of the mathematical specificities of each test. This course will train the students in the use of the open-source statistical software R and some of its most user-friendly packages (R commander).

### READING

Recommended:

- Hairs JF, Black WC, Babin BJ, Anderson RE. 2009. Multivariate Data Analysis. 7th Edition. Prentice Hall, Upper Saddle River.

Complementary readings will be made available through Carmen. You are expected to have read the assigned readings once or twice before you come to class. As you read, highlight, take notes, summarize, look up new words or concepts, and come with questions for me and/or your classmates. In short, be prepared to discuss the readings in class and bring the readings to class. I also recommend you to go over the readings once more after class.



## **COURSE GOALS**

The goal is to train students to be proficient in the application of quantitative analysis to research projects and anthropological and other social sciences. This entails that students will be able to:

- Understand multivariate analysis and when its application is appropriate.
- Understand the nature of the different classes of multivariate analyses (Exploratory, Dependence and Interdependence analyses), and how to apply them to specific research questions.
- Understand the reason why multivariate quantitative analyses have become such an important part of data analytical research.
- Learn how to design a quantitative research project, caring for appropriate sampling and analytical techniques.
- Understand the nature of the different types of variables common in anthropological sciences.
- Learn how to apply and interpret results from the most common multivariate analyses, and how to apply them to specific research questions.
- Learn how to use R to run statistical analyses and how to interpret the results output.

## **LEARNING OUTCOMES**

At the end of the course, entails that students will be able to:

1. Design a research project that links theory to research questions, generated data, methods, and data analysis.
  - a. Identify the appropriate population, sample, sample size, and sampling techniques from which to generate the necessary data. (C1b)
  - b. Identify the appropriate methods to analyze the data to answer the research questions and/or evaluate the hypotheses. (C1c)
2. Conduct Research.
  - a. Use appropriate data management protocols. (C2c)
  - b. Use appropriate quantitative and/or qualitative data analysis methods. (C2d)
3. Write anthropological contribution of their research to academic audience
  - a. Understand the norms and structures of academic communication. (D1a)
  - b. Write clearly and in the appropriate format for the selected audience. (D1d)

4. Prepare for a career
  - a. Follow ethical and professional guidelines defined by the professional associations relevant to the student's career. (F1a)
  - b. Foster collegial relationships. (F1b)
  
5. Develop basic proficiency in quantitative theory and methods
  - a. Understand the basic principles of probability theory and how it relates to statistical inference (LL5a)
  - b. Understand how to best use visualization techniques to explore patterns in quantitative data (LL5b)
  - c. Learn to use the open-source statistical software R for basic statistical analysis (LL5c)
  - d. Use understand the most common univariate and bivariate statistical tests applied to social sciences and use them to analyze quantitative data (LL5d)

## **ASSESSMENT OF LEARNING OUTCOMES**

Classes will be divided into a theoretical lectures and weekly exercises.

The theoretical session will comprise the introduction of the topic for the week, and will cover the theoretical background necessary for students to achieve the five learning outcomes in this course.

Exercises will consist of two complementary parts:

a) Practical exercises using data provided by instructor that will allow students to practice the analysis of data using the tools and tests discussing in class. Exercises can be done in any software, although it is highly recommended that students do them in R, using R Commander and R Markdown. These exercises are central to the assessment of learning outcome 5 (Develop basic proficiency in quantitative theory and methods).

b) The analysis of a scientific article that uses the methods discussed in class, aiming at reconstructing the way by which materials and methods, and results introduced the methods applied, reported the results, and interpreted the statistical analyses. Articles will be selected by students, based on their own academic and career interests. This activity will allow students to become proficient in learning outcomes 1 through 4, by allowing them to do critical analysis of article structures, common research design narratives, and the expectations for their academic career paths.

The final examination will consist of a paper structured as a scientific article with the student’s own data or data gathered from the literature. The final paper will be written in parts during the semester (Introduction, Material, Methods, Results, Discussion and Conclusions), and will be used to assess collectively learning outcomes 1 to 5. Evaluation of the final papers will follow a rubric that evaluates each of the learning outcomes, and this evaluation will be shared with students during the semester, to guide students’ efforts to those outcomes they are not meeting.

**Evaluation:** Course responsibilities will be weighted in the following way:

Practical Exercises	25%
Article review exercises	25%
Final paper introduction	15%
Final paper Materials and Methods	10%
Final paper Results	10%
Final paper Discussion and Conclusions	15%
Total	100%

Final grades are based on the OSU Standard Scheme. A general guide to how you are doing is: A 93; A- 90-92; B+ 87-89; B 83-86; B- 80-82; C+ 77-79; C 73-76; C- 70-72; D+ 67-69; D 60-66; E< 60.

**OFFICE OF DISABILITY SERVICES STATEMENT**

The University strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including mental health, chronic or temporary medical conditions), please let me know immediately so that we can privately discuss options. To establish reasonable accommodations, I may request that you register with Student Life Disability Services. After registration, make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. SLDS contact information: slds@osu.edu; 614-292-3307; slds.osu.edu; 098 Baker Hall, 113 W. 12th Avenue.

**MENTAL HEALTH STATEMENT**

As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic

performance or reduce a student's ability to participate in daily activities. The Ohio State University offers services to assist you with addressing these and other concerns you may be experiencing. If you or someone you know are suffering from any of the aforementioned conditions, you can learn more about the broad range of confidential mental health services available on campus via the Office of Student Life's Counseling and Consultation Service (CCS) by visiting [ccs.osu.edu](http://ccs.osu.edu) or calling 614 -292- 5766. CCS is located on the 4th Floor of the Younkin Success Center and 10th Floor of Lincoln Tower. You can reach an on-call counselor when CCS is closed at 614 -292- 5766 and 24-hour emergency help is also available through the 24/7 National Suicide Prevention Hotline at 1- 800 -273-TALK or at [suicidepreventionlifeline.org](http://suicidepreventionlifeline.org).

### **TITLE IX STATEMENT**

Title IX makes it clear that violence and harassment based on sex and gender are Civil Rights offenses subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories (e.g., race). If you or someone you know has been sexually harassed or assaulted, you may find the appropriate resources at <http://titleix.osu.edu> or by contacting the Ohio State Title IX Coordinator, Kellie Brennan, at [titleix@osu.edu](mailto:titleix@osu.edu)

### **DIVERSITY STATEMENT**

The Ohio State University affirms the importance and value of diversity in the student body. Our programs and curricula reflect our multicultural society and global economy and seek to provide opportunities for students to learn more about persons who are different from them. We are committed to maintaining a community that recognizes and values the inherent worth and dignity of every person; fosters sensitivity, understanding, and mutual respect among each member of our community; and encourages each individual to strive to reach his or her own potential. Discrimination against any individual based upon protected status, which is defined as age, color, disability, gender identity or expression, national origin, race, religion, sex, sexual orientation, or veteran status, is prohibited.

### **COMMITTEE ON ACADEMIC MISCONDUCT STATEMENT**

All students should become familiar with the rules governing academic misconduct, especially as they pertain to plagiarism and cheating. Ignorance of the rules is not an excuse and all alleged cases of academic misconduct will be reported to the Committee on Academic Misconduct (COAM).

It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term “academic misconduct” includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-487). For additional information, see the Code of Student Conduct <http://studentlife.osu.edu/csc/>.

### TENTATIVE COURSE SCHEDULE

Week	Content	Assignment	Deadlines	Learning outcome
1	Introduction to course and multivariate statistics	Research design narrative		C1b, C1c, C2c, LL5a, LL5b, LL5d
2	Managing data: missing values, outliers and other things	Final paper data selection/presentation	Narrative + Presentation	C1b, C1c, C2d, D1a, D1d, LL5a, LL5b
3	Principal Component Analysis			C2c, LL5c
4	Multiple Regression	Exercise 1 – Multiple Regression  Article analysis	Hypotheses + presentation	C1b, C1c, C2c, C2d, D1a, D1d, LL5b, LL5c, LL5d
5	Multiple Discriminant Function Analysis	Exercise 2 – MDFA  Article analysis	Exercise 1	C2d, D1a, D1d, LL5c, LL5d
6	Logistic Regression	Exercise 3 – Logistic Regression  Article analysis	Exercise 2 <b>Final paper Introduction</b>	C2d, D1a, D1d, F1a, F1b, LL5c, LL5d
7	Factorial ANOVA / ANCOVA / GLM	Exercise 4 – GLM + ANCOVAS  Article analysis	Exercise 3	C2d, D1a, D1d, LL5c, LL5d
8	MANOVA / General Linear Models	Exercise 5 – MANOVA tests  Article analysis	Exercises 4 <b>Final Paper M&amp;M</b>	C1b, C1c, C2c, C2d, D1a, D1d, F1a, F1b, LL5c, LL5d
9	Distances and Clusters	Exercise 6 – Clusters  Article analysis	Exercise 5	C2d, D1a, D1d, LL5c, LL5d

10	Distances and Multidimensional Scaling	Exercise 7 – MDS	Exercise 6	C2d, D1a, D1d, LL5c, LL5d
11	Correspondence Analyses	Exercise 8 – Correspondence analyses	Exercise 7 <b>Final Paper Results</b>	C2d, D1a, D1d, F1a, F1b, LL5c, LL5d
12	Permutation analyses (Bootstrap, Jackknife)	Exercise 9 – Permutations	Exercise 8	C2d, D1a, D1d, LL5c, LL5d
13	Model testing: Mantel and Dow-Cheverud Final discussion and review		Exercise 9	C2d, D1a, D1d, LL5c, LL5d
14	Review		<b>Final Paper</b>	D1a, D1d, F1a, F1b, LL5b, LL5c, LL5d

## PROGRAM GOALS, LEARNING OUTCOMES AND PROFICIENCIES

### C. Understand how to design, conduct, and evaluate research that makes theoretical and practical contributions to anthropology and beyond.

4. Design a research project that links theory to research questions, generated data, methods, and data analysis.
  - e. Formulate clear research questions, hypotheses, and objectives. (B)
  - f. Identify the necessary data needed to answer research questions, evaluate hypotheses and/or achieve objectives. (B)
  - g. Identify the appropriate methods to generate the necessary data. (B)
  - h. Identify the appropriate population, sample, sample size, and sampling techniques from which to generate the necessary data. (I)
  - i. Identify the appropriate methods to analyze the data to answer the research questions and/or evaluate the hypotheses. (A)
  - j. Communicate the research design in a research proposal. (A)
- e. Conduct Research.
  - a. Develop relevant methods for data generation. (B)
  - b. Apply appropriate data generation methods. (I)
  - c. Use appropriate data management protocols. (I)
  - d. Use appropriate quantitative and/or qualitative data analysis methods. (I)

### D1. Write anthropological contribution of their research to academic audience

- e. Evaluate the different academic venues available for communicating their work. (B)
- f. Select the most appropriate academic venue for their specific work. (B)
- g. Understand the norms and structures of academic communication. (I)
- h. Write clearly and in the appropriate format for the selected audience. (A)

**F. Meet ethical, collegial, and professional expectations in research, teaching, collaboration, and other professional endeavors.**

1. Prepare for a career

- g. Follow ethical and professional guidelines defined by the professional associations relevant to the student's career. (I)
- h. Foster collegial relationships. (A)

# **ANTHROPOLOGY XXXX DATA COLLECTION WORKSHOP**

Instructor: Brutus Buckeye

Spring 2021 & Fall 2022

brutus.1@osu.edu

Hours of instruction: TR 11:10 – 12:30

4034 Smith Laboratory

Classroom: Smith Lab 4094

Tel. (614) 292-4149

Office hours: W 12-3 PM or by appointment

## **COURSE DESCRIPTION**

The yearlong workshop has as its main goal to introduce several different data collections techniques that are commonly applied in Anthropology. The workshop consists of lectures by the faculty in the department, who will introduce their research and data collection protocols. The lectures by Faculty will be complemented by discussions with the invited Faculty and readings that cover the methods discussed.

## **COURSE GOALS**

The goal of the workshop is to expose students to different research methods and data collection protocols common in anthropological students. At the end of the workshop students will be able to:

1. Identify the research methods used by the Faculty in our department.
2. Discuss the applicability of different research methods to their own research interests.
3. Justify the methods used in their own research projects

## **REQUIRED READING**

Required and recommended readings will be made available through Carmen. You are expected to have read the assigned readings once or twice before you come to class. As you read, highlight, take notes, summarize, look up new words or concepts, and come with questions for me and/or your classmates. In short, be prepared to discuss the readings in class and bring the readings to class. I also recommend you to go over the readings once more after class.



## LEARNING OUTCOMES

The goal is to expose students to common research methods and data collection protocols in Anthropology, and this workshop is associated with the following program learning outcomes:

1. Design a research project that links research questions to data being generated, methods to be used, and data analysis.
  - a. Formulate clear research questions, hypotheses, and objectives. (C1a)
  - b. Identify the necessary data needed to answer research questions, evaluate hypotheses and/or achieve objectives. (C1b)
  - c. Identify the appropriate methods to generate the necessary data. (C1c)
  - d. Identify the appropriate population, sample, sample size, and sampling techniques from which to generate the necessary data. (C1d)
  - e. Identify the appropriate methods to analyze the data to answer the research questions and/or evaluate the hypotheses. (C1e)
  - f. Communicate the research design in a research proposal. (C1f)
  
2. Conduct Research.
  - a. Develop relevant methods for data generation. (C3a)
  - b. Apply appropriate data generation methods. (C3b)
  - c. Use appropriate data management protocols. (C3c)
  - d. Use appropriate quantitative and/or qualitative data analysis methods. (C3d)
  
3. Consider issues of justice, beneficence, and autonomy when conducting research with human or animal subjects.
  - a. Consider how to respect human subjects, protect their autonomy, and obtain informed consent. (C5a)
  - b. Consider and weigh the costs and benefits of the research activities for human subjects. (C5b)
  - c. Consider how research activities are administered fairly and equally among potential research participants. (C5c)
  - d. Consider what permits, permissions, and approvals are necessary for research in a timely manner. (C5d)
  
4. Prepare for a career
  - c. Follow ethical and professional guidelines defined by the professional associations relevant to the student's career. (F1c)
  - d. Foster collegial relationships. (F1d)

## ASSESSMENT OF LEARNING OUTCOMES

**Invited Lectures.** Invited faculty will assign one article to be read before they meet, to introduce the method presented in the weekly lectures. All Faculty in the department will be invited to give one

lecture over the year, and will be in charge of a brief presentation and discussion about the methods used in their research projects. The lectures will be followed by a brief discussion with students, where students can address specific concerns, which will allow students to connect these discussions with their own research interests. **C1a-f, C3a-d**

**Group discussions.** On weeks where no faculty is presenting, the course coordinator will lead a discussion with students about articles read or complementary articles that bridge the methods discussed by faculty with broader topics associated with research design, sampling strategies, and bioethics. **C5a-d, F1c-d**

**Addendum.** At the end of every week – before Friday midnight – students have to submit a paragraph or two (no longer than one page) in which they reflect on what they learned that week from reading, writing, and workshop discussions with an emphasis on what they learned from discussions with their fellow students. The goal of the assignment is for students to develop their own conceptual framework drawing from the anthropological methods discussed every week, and reflect on their applicability for their own research. **C5a-d**

**Evaluation:** Course responsibilities will be weighted in the following way:

Addenda	50%
Participation	50%
Total	100%

Final grades are based on the OSU Standard Scheme. A general guide to how you are doing is: A 93; A- 90-92; B+ 87-89; B 83-86; B- 80-82; C+ 77-79; C 73-76; C- 70-72; D+ 67-69; D 60-66; E < 60.

## **OFFICE OF DISABILITY SERVICES STATEMENT**

The University strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including mental health, chronic or temporary medical conditions), please let me know immediately so that we can privately discuss options. To establish reasonable accommodations, I may request that you register with Student Life Disability Services. After registration, make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. SLDS contact information: [slds@osu.edu](mailto:slds@osu.edu); 614-292-3307; [slds.osu.edu](http://slds.osu.edu); 098 Baker Hall, 113 W. 12th Avenue.

## **MENTAL HEALTH STATEMENT**

As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance or reduce a student's ability to participate in daily activities. The Ohio State University offers services to assist you with addressing these and other concerns you may be experiencing. If you or someone you know are suffering from any of the aforementioned conditions, you can learn more about the broad range of confidential mental health services available on campus via the Office of Student Life's Counseling and Consultation Service (CCS) by visiting [ccs.osu.edu](http://ccs.osu.edu) or calling 614 -292- 5766. CCS is located on the 4th Floor of the Younkin Success Center and 10th Floor of Lincoln Tower. You can reach an on-call counselor when CCS is closed at 614 -292- 5766 and 24-hour emergency help is also available through the 24/7 National Suicide Prevention Hotline at 1- 800 -273-TALK or at [suicidepreventionlifeline.org](http://suicidepreventionlifeline.org).

## **TITLE IX STATEMENT**

Title IX makes it clear that violence and harassment based on sex and gender are Civil Rights offenses subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories (e.g., race). If you or someone you know has been sexually harassed or assaulted, you may find the appropriate resources at <http://titleix.osu.edu> or by contacting the Ohio State Title IX Coordinator, Kellie Brennan, at [titleix@osu.edu](mailto:titleix@osu.edu)

## **DIVERSITY STATEMENT**

The Ohio State University affirms the importance and value of diversity in the student body. Our programs and curricula reflect our multicultural society and global economy and seek to provide opportunities for students to learn more about persons who are different from them. We are committed to maintaining a community that recognizes and values the inherent worth and dignity of every person; fosters sensitivity, understanding, and mutual respect among each member of our community; and encourages each individual to strive to reach his or her own potential. Discrimination against any individual based upon protected status, which is defined as age, color, disability, gender identity or expression, national origin, race, religion, sex, sexual orientation, or veteran status, is prohibited.

## **COMMITTEE ON ACADEMIC MISCONDUCT STATEMENT**

All students should become familiar with the rules governing academic misconduct, especially as they pertain to plagiarism and cheating. Ignorance of the rules is not an excuse and all alleged cases of academic misconduct will be reported to the Committee on Academic Misconduct (COAM).

It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term “academic misconduct” includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-487). For additional information, see the Code of Student Conduct <http://studentlife.osu.edu/csc/>.

### TENTATIVE COURSE SCHEDULE

<b>Week</b>	<b>Content</b>	<b>Assignment</b>	<b>Learning outcome</b>
	<b>FALL 2021</b>		
1	Introduction	Addendum	<b>C5a-d, F1c-d</b>
2	Invited Faculty 1	Addendum	<b>C1a-f, C3a-d</b>
3	Invited Faculty 2	Addendum	<b>C1a-f, C3a-d</b>
4	Group discussion	Addendum	<b>C5a-d, F1c-d</b>
5	Invited Faculty 3	Addendum	<b>C1a-f, C3a-d</b>
6	Invited Faculty 4	Addendum	<b>C1a-f, C3a-d</b>
7	Group discussion	Addendum	<b>C5a-d, F1c-d</b>
8	Invited Faculty 5	Addendum	<b>C1a-f, C3a-d</b>
9	Invited Faculty 6	Addendum	<b>C1a-f, C3a-d</b>
10	Group discussion	Addendum	<b>C5a-d, F1c-d</b>
11	Invited Faculty 7	Addendum	<b>C1a-f, C3a-d</b>
12	Invited Faculty 8	Addendum	<b>C1a-f, C3a-d</b>
13	Group discussion	Addendum	<b>C5a-d, F1c-d</b>
14	Group discussion	Addendum	<b>C5a-d, F1c-d</b>
	<b>SPRING 2022</b>		
1	Invited Faculty 9	Addendum	<b>C1a-f, C3a-d</b>
2	Invited Faculty 10	Addendum	<b>C1a-f, C3a-d</b>
3	Group discussion	Addendum	<b>C5a-d, F1c-d</b>
4	Invited Faculty 11	Addendum	<b>C1a-f, C3a-d</b>

5	Invited Faculty 12	Addendum	<b>C1a-f, C3a-d</b>
6	Group discussion	Addendum	<b>C5a-d, F1c-d</b>
7	Invited Faculty 13	Addendum	<b>C1a-f, C3a-d</b>
8	Invited Faculty 14	Addendum	<b>C1a-f, C3a-d</b>
9	Group discussion	Addendum	<b>C5a-d, F1c-d</b>
10	Invited Faculty 15	Addendum	<b>C1a-f, C3a-d</b>
11	Invited Faculty 16	Addendum	<b>C1a-f, C3a-d</b>
12	Group discussion	Addendum	<b>C5a-d, F1c-d</b>
13	Invited Faculty 17	Addendum	<b>C1a-f, C3a-d</b>
14	Group Discussion	Addendum	<b>C5a-d, F1c-d</b>

### **COURSE READINGS**

Will be assigned by invited Faculty and will be made available during the course of the workshop.

### **PROGRAM GOALS, LEARNING OUTCOMES AND PROFICIENCIES**

A. = program goal

1. = learning outcome

a. = proficiency

#### **B. Students will understand how anthropologists use and have used theory to describe and explain the world.**

4. Connect anthropological theories to research endeavors.
  - a. Explain how theoretical frameworks shape research questions. (B)
  - b. Appreciate the contributions of different theoretical frameworks. (I)
5. Construct their own conceptual framework drawing from anthropological (and other) theories.
  - a. Reflect on their own worldviews. (B)
  - b. Compare their own worldviews with theoretical paradigms. (B)
  - c. Construct their own conceptual framework integrating relevant theoretical paradigms. (A)
  - d. Articulate clearly their own conceptual framework. (A)

**C. Understand how to design, conduct, and evaluate research that makes theoretical and practical contributions to anthropology and beyond.**

5. Design a research project that links theory to research questions, generated data, methods, and data analysis.
  - e. Formulate clear research questions, hypotheses, and objectives. (B)
  - f. Identify the necessary data needed to answer research questions, evaluate hypotheses and/or achieve objectives. (B)
  - g. Identify the appropriate methods to generate the necessary data. (B)
  - h. Identify the appropriate population, sample, sample size, and sampling techniques from which to generate the necessary data. (I)
  - i. Identify the appropriate methods to analyze the data to answer the research questions and/or evaluate the hypotheses. (A)
  - j. Communicate the research design in a research proposal. (A)
3. Conduct Research.
  - k. Develop relevant methods for data generation. (B)
  - l. Apply appropriate data generation methods. (I)
  - m. Use appropriate data management protocols. (I)
  - n. Use appropriate quantitative and/or qualitative data analysis methods. (I)
6. Consider issues of justice, beneficence, and autonomy when conducting research with human or animal subjects.
  - f. Consider how to respect human subjects, protect their autonomy, and obtain informed consent. (B)
  - g. Consider and weigh the costs and benefits of the research activities for human subjects. (B)
  - h. Consider how research activities are administered fairly and equally among potential research participants. (B)
  - i. Obtain necessary permits, permissions, and approvals for research in a timely manner. (I)
  - j. Conduct research ethically in accordance with the guidelines of professional organizations. (A)

**F. Meet ethical, collegial, and professional expectations in research, teaching, collaboration, and other professional endeavors.**

1. Prepare for a career
  - e. Follow ethical and professional guidelines defined by the professional associations relevant to the student's career. (I)
  - f. Foster collegial relationships. (A)

# **ANTHROPOLOGY XXXX ACADEMIC WORKSHOP**

Instructor: Brutus Buckeye

Spring 2021 & Fall 2022

brutus.1@osu.edu

Hours of instruction: TR 11:10 – 12:30

4034 Smith Laboratory

Classroom: Smith Lab 4094

Tel. (614) 292-4149

Office hours: W 12-3 PM or by appointment

## **COURSE DESCRIPTION**

The yearlong workshop has as its main goal to offer students of all cohorts a place for research presentations, academic discussions and professional development. The workshop consists of weekly meetings with a diversity of topics arranged by the course coordinator.

## **COURSE GOALS**

The goal of the workshop is to expose students to different research methods and data collection protocols common in anthropological students. At the end of the workshop students will be able to:

4. Identify the research methods used by the Faculty in our department.
5. Discuss the applicability of different research methods to their own research interests.
6. Justify the methods used in their own research projects

## **REQUIRED READING**

Required and recommended readings will be made available through Carmen. You are expected to have read the assigned readings once or twice before you come to class. As you read, highlight, take notes, summarize, look up new words or concepts, and come with questions for me and/or your classmates. In short, be prepared to discuss the readings in class and bring the readings to class. I also recommend you to go over the readings once more after class.

## LEARNING OUTCOMES

The goal is to create an academic and professional development space for students of all cohorts, to help them throughout their stay as graduate students. This workshop is associated with the following program learning outcomes:

### **F. Meet ethical, collegial, and professional expectations in research, teaching, collaboration, and other professional endeavors.**

6. Plan a career
  - a. Follow ethical and professional guidelines defined by the professional associations relevant to the student's career. **F1c**
  - b. Foster collegial relationships. **F1d**
7. Establish professional collaborations and networks
  - a. Identify the appropriate professional associations and potential collaborators. **F5a**
  - b. Build skills for constructing and maintaining a professional network. **F5b**
  - c. Foster collaborations among peers and junior scholars. **F5c**

## ASSESSMENT OF LEARNING OUTCOMES

**Invited Lectures.** Invited faculty and professionals will be responsible for some of the activities during the year, which will focus on academic development and professional training. The course coordinator will organize the year-long schedule, planning these lectures to cover about one third of the course sessions. The lectures will be followed by a brief discussion with students, where students can address specific concerns, which will allow students to connect these discussions with their own research interests. **F1c-d, F5a-c**

**Student presentations and student-led discussions.** On weeks where no invited lecture is scheduled, students will present their own research. There will also be sessions allocated for the discussion of points of interest to the students. **F1c-d, F5a-c**

**Addendum.** At the end of every week – before Friday midnight – students have to submit a paragraph or two (no longer than one page) in which they reflect on what they learned that week from reading, writing, and workshop discussions with an emphasis on what they learned from discussions with their fellow students. The goal of the assignment is for students to develop their own conceptual framework drawing from the anthropological methods discussed every week, and reflect on their applicability for their own research. **F1c-d, F5a-c**



**Evaluation:** Course responsibilities will be weighted in the following way:

Addenda	50%
Participation	50%
Total	100%

Final grades are based on the OSU Standard Scheme. A general guide to how you are doing is: A 93; A- 90-92; B+ 87-89; B 83-86; B- 80-82; C+ 77-79; C 73-76; C- 70-72; D+ 67-69; D 60-66; E< 60.

### **OFFICE OF DISABILITY SERVICES STATEMENT**

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## **DIVERSITY STATEMENT**

The Ohio State University affirms the importance and value of diversity in the student body. Our programs and curricula reflect our multicultural society and global economy and seek to provide opportunities for students to learn more about persons who are different from them. We are committed to maintaining a community that recognizes and values the inherent worth and dignity of every person; fosters sensitivity, understanding, and mutual respect among each member of our community; and encourages each individual to strive to reach his or her own potential. Discrimination against any individual based upon protected status, which is defined as age, color, disability, gender identity or expression, national origin, race, religion, sex, sexual orientation, or veteran status, is prohibited.

## **COMMITTEE ON ACADEMIC MISCONDUCT STATEMENT**

All students should become familiar with the rules governing academic misconduct, especially as they pertain to plagiarism and cheating. Ignorance of the rules is not an excuse and all alleged cases of academic misconduct will be reported to the Committee on Academic Misconduct (COAM).

It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term “academic misconduct” includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-487). For additional information, see the Code of Student Conduct <http://studentlife.osu.edu/csc/>.

## TENTATIVE COURSE SCHEDULE

<b>Week</b>	<b>Content</b>	<b>Assignment</b>	<b>Learning outcome</b>
	<b>FALL 2021</b>		
1	Introduction	Addendum	F1c-d, F5a-c
2	Invited Lecture 1	Addendum	F1c-d, F5a-c
3	Fifth Year Student presentations	Addendum	F1c-d, F5a-c
4	Fifth Year Student presentations	Addendum	F1c-d, F5a-c
5	Invited Lecture 2	Addendum	F1c-d, F5a-c
6	Open discussion: student topics 1	Addendum	F1c-d, F5a-c
7	Fourth Year Student presentations	Addendum	F1c-d, F5a-c
8	Fourth Year Student presentations	Addendum	F1c-d, F5a-c
9	Invited Lecture 3	Addendum	F1c-d, F5a-c
10	Open discussion: student topics 2	Addendum	F1c-d, F5a-c
11	Third Year Student presentations	Addendum	F1c-d, F5a-c
12	Third Year Student presentations	Addendum	F1c-d, F5a-c
13	Invited Lecture 4	Addendum	F1c-d, F5a-c
14	Semester conclusion	Addendum	F1c-d, F5a-c
	<b>SPRING 2022</b>		
1	Invited Lecture 5	Addendum	F1c-d, F5a-c
2	Second Year Student presentations	Addendum	F1c-d, F5a-c
3	Second Year Student presentations	Addendum	F1c-d, F5a-c
4	Invited Lecture 6	Addendum	F1c-d, F5a-c
5	Open discussion: student topics 3	Addendum	F1c-d, F5a-c
6	First Year Student presentations	Addendum	F1c-d, F5a-c
7	First Year Student presentations	Addendum	F1c-d, F5a-c
8	Invited Lecture 7	Addendum	F1c-d, F5a-c
9	Open discussion: student topics 4	Addendum	F1c-d, F5a-c
10	Alumni presentation	Addendum	F1c-d, F5a-c
11	Career workshop	Addendum	F1c-d, F5a-c
12	Invited Lecture 8	Addendum	F1c-d, F5a-c
13	Open discussion: student topics 5	Addendum	F1c-d, F5a-c
14	Year conclusion	Addendum	F1c-d, F5a-c

## **COURSE READINGS**

Will be assigned by invited Faculty and will be made available during the course of the workshop.

## **PROGRAM GOALS, LEARNING OUTCOMES AND PROFICIENCIES**

A. = program goal

1. = learning outcome

a. = proficiency

### **F. Meet ethical, collegial, and professional expectations in research, teaching, collaboration, and other professional endeavors.**

1. Plan a career
  - c. Follow ethical and professional guidelines defined by the professional associations relevant to the student's career. (Intermediate)
  - d. Foster collegial relationships. (Advanced)
2. Establish professional collaborations and networks
  - a. Identify the appropriate professional associations and potential collaborators. (Basic)
  - b. Build skills for constructing and maintaining a professional network. (Intermediate)
  - c. Foster collaborations among peers and junior scholars. (Advanced)

## **Advanced Quantitative Methods (Anthropology 8892.12/SP2016)**

### **Dr. Mark Hubbe**

**Office:** 4048 Smith Laboratory

**e-mail:** [hubbe.1@osu.edu](mailto:hubbe.1@osu.edu)

**Class Time:** Fridays 11:15 – 2:00

**Room:** 4025 Smith Laboratory

**Office Hours:** Wednesday 11:00-2:00 (or by appointment [preferred])

### **Readings:**

- Hairs JF, Black WC, Babin BJ, Anderson RE. 2009. *Multivariate Data Analysis*. 7<sup>th</sup> Edition. Prentice Hall, Upper Saddle River.

### **Course Description:**

This course will review the most common multivariate techniques applied in the anthropological sciences, focusing on the different research questions that could require these quantitative techniques. We will focus on research questions raised by students and will use your data in our exercises in order to discuss and interpret the results generated by these quantitative approaches. We will put special emphasis on when and how to apply multivariate analyses, aiming towards creating a broad knowledge of the application of these techniques instead of the mathematical specificities of each test. All exercises will be done in user-friendly statistical software (SPSS).

### **Course Goals and Outcomes:**

- Understand multivariate analysis and when its application is appropriate.
- Learn how to handle and explore data and how to deal with outliers and missing values.
- Understand the nature of the different classes of multivariate analyses (Exploratory, Dependence and Interdependence analyses), and how to apply them to specific research questions.
- Learn how to use available software (SPSS) to run multivariate analyses and how to interpret the software results output.

### **Course Structure and Grades:**

Classes will be divided into a discussion session and an exercises session.

The discussion session will comprise the introduction of the topic for the week and will include a brief overview of papers in our field that applied such methods.

The main part of the exercise session will be to apply the multivariate technique to the presented data using SPSS. Results will be discussed in class, as well as possible further analyses and/or limitations of the data and technique applied. Other data will be provided to apply the technique as exercises.

**Exercises will be part of the final grade (25%)** and are due at the beginning of the following class. Exercises should include a complete report on data handling, multivariate technique applied and interpretation of results, following examples from the papers discussed in class.

During the semester, students are expected to write a quantitative paper structured as a scientific article (hopefully of high enough quality to be submitted to a peer-reviewed journal) with the student's own data.

Different sessions of the final paper (papers' proposal, introduction and material and methods) are due in before the deadline given in the schedule below. **The partial sessions of the paper correspond to 25% of the final grade.**

**The final paper corresponds to 50% of the final grade.**

<b>Class Schedule (tentative!!!!)</b>			
Week	Date	Topics	Deadlines:
1	1/15	Introduction to course and multivariate statistics	
2	1/22	Managing data: missing values, outliers and other things	Proposal and Hypotheses
3	1/29	Principal Component Analysis	Exercise 1
4	2/5	Multiple Regression	Exercise 2 <b>Data description</b>
5	2/12	Multiple Discriminant Function Analysis	Exercise 3
6	2/19	Logistic Regression	Exercise 4 <b>Introduction</b>
7	2/26	Factorial ANOVA / ANCOVA / GLM	Exercise 5
8	3/4	MANOVA / General Linear Models	Exercise 6
9	3/11	Distances and Clusters	Exercise 7
<b>SP</b>	<b>3/18</b>	<b>SPRING BREAK</b>	
10	3/25	Distances and Multidimensional Scaling	Exercise 8 <b>Material and Methods</b>
11	4/1	Correspondence Analyses	Exercise 9
12	4/8	Permutation analyses (Bootstrap, Jackknife)	Exercise 10
<b>AAPA</b>	<b>4/15</b>	<b>NO CLASS</b>	
13	4/22	Model testing: Mantel and Dow-Cheverud Final discussion and review	<b>Results</b>
*	4/29		<b>FINAL PAPER DUE</b>

## **ANTHROPOLOGY MAJOR (BA)**

### **Program Learning Goals:**

The general goals of our undergraduate program in Anthropology (BA) are threefold: (1) attract and train an increasingly diverse and competitive student body; (2) make graduates more competitive on the job market and in the applicant pool for graduate/professional school; (3) provide more rigorous and empirically oriented training within each anthropological subfield.

General goals # 2 and # 3 are met by a curriculum designed to achieve the following specific learning goals:

- (i) Students are introduced to the breadth of and acquire foundational knowledge in each of the three major sub-disciplines within the major (physical anthropology, cultural anthropology and archaeology).
- (ii) Students master core concepts in each of the three major sub-disciplines within the major (physical anthropology, cultural anthropology and archaeology).
- (iii) Students complete elective coursework in each of the three sub-disciplines within the major (physical anthropology, cultural anthropology and archaeology).
- (iv) Students gain in depth knowledge in one (or more) field by choosing at least two additional courses in any sub discipline (physical anthropology, cultural anthropology or archaeology) within the major.

**CURRICULUM MAP AND PROGRAM LEARNING GOALS: BA**

<b>Required Courses</b>	<b>Goal # i</b>	<b>Goal # ii</b>	<b>Goal # iii</b>	<b>Goal # iv</b>
ANT 2200	✓			
ANT 2201	✓			
ANT 2202	✓			
ANT 3300 or 3301		✓		
ANT 3401		✓		
ANT 3525		✓		
<b>Elective Courses</b>				
Physical Anthropology Elective			✓	
(Complete at least one of the following)			✓	
ANT 3211			✓	
ANT 3302			✓	
ANT 3304			✓	
ANT 3304			✓	
ANT 3305			✓	
ANT 3315			✓	
ANT 3409			✓	
ANT 3410			✓	
ANT 3411			✓	
ANT 3500			✓	
ANT 3504			✓	
ANT 5005			✓	
ANT 5050			✓	
ANT 5600			✓	
ANT 5607			✓	
ANT 5608			✓	
ANT 5609			✓	
ANT 5610			✓	
ANT 5641			✓	
ANT 5644			✓	
ANT 5645			✓	
ANT 5797			✓	



Cultural Anthropology Elective			✓	
(Complete at least one of the following)			✓	
ANT 3005*			✓	
ANT 3334			✓	
ANT 3400			✓	
ANT 3403			✓	
ANT 3416			✓	
ANT 3418			✓	
ANT 3419			✓	
ANT 3597.01			✓	
ANT 3597.02			✓	
ANT 3623			✓	
ANT 4597.05H			✓	
ANT 5005			✓	
ANT 5050			✓	
ANT 5601			✓	
ANT 5602			✓	
ANT 5621			✓	
ANT 5624			✓	
ANT 5625			✓	
ANT 5626			✓	
ANT 5627			✓	
ANT 5797			✓	
			✓	
Archaeology Elective			✓	
(Complete at least one of the following)			✓	
ANT 3350			✓	
ANT 3402			✓	
ANT 3434			✓	
ANT 3451			✓	
ANT 3452			✓	
ANT 3555			✓	
ANT 3604			✓	
ANT 4597.03H			✓	
ANT 5005			✓	
ANT 5050			✓	
ANT 5603			✓	
ANT 5604			✓	
ANT 5605			✓	
ANT 5614			✓	
ANT 5615			✓	

ANT 5651			✓	
ANT 5797			✓	
			✓	
Free Elective # 1				✓
Free Elective # 2				✓
(complete any 2 additional courses from the list of electives above)				

## **ANTHROPOLOGICAL SCIENCES MAJOR (BS)**

### **Program Learning Goals:**

The general goals of our undergraduate program in Anthropological Sciences are to prepare students for (i) employment that combines critical thinking, communication, and analytical skills with an understanding of human diversity in both time and space and/or (ii) continued study in graduate/professional schools.

These general goals are met via the following specific learning outcomes:

- (i) Students will acquire foundational knowledge in each of the three major sub-disciplines within the major (physical anthropology, cultural anthropology and archaeology).
- (ii) Students will achieve mastery of core concepts in each of the three major sub-disciplines within the major (physical anthropology, cultural anthropology and archaeology). In so doing, they will acquire rigorous and empirically oriented skills in each sub discipline.
- (iii) Students will accumulate breadth of knowledge by completing elective coursework in each of the three sub-disciplines within the major (physical anthropology, cultural anthropology and archaeology).
- (iv) Students achieve in depth knowledge in one (or more) field by choosing at least two additional courses in any sub-discipline (physical anthropology, cultural anthropology or archaeology) within the major.
- (v) Students achieve competence in basic statistical methods and evolutionary theory.

**CURRICULAR MAP AND PROGRAM LEARNING GOALS (BS)**

<b>Required Courses</b>	<b>Goal # i</b>	<b>Goal # ii</b>	<b>Goal # iii</b>	<b>Goal # iv</b>
ANT 2200	✓			
ANT 2201	✓			
ANT 2202	✓			
ANT 3300		✓		
ANT 3301		✓		
ANT 3401		✓		
ANT 5620		✓		
<b>Elective Courses</b>				
Physical Anthropology Elective			✓	
(Complete at least one of the following)			✓	
ANT 3211			✓	
ANT 3302			✓	
ANT 3304			✓	
ANT 3304			✓	
ANT 3305			✓	
ANT 3315			✓	
ANT 3409			✓	
ANT 3410			✓	
ANT 3411			✓	
ANT 3500			✓	
ANT 3504			✓	
ANT 5005			✓	
ANT 5050			✓	
ANT 5600			✓	
ANT 5607			✓	
ANT 5608			✓	
ANT 5609			✓	
ANT 5610			✓	
ANT 5641			✓	
ANT 5644			✓	
ANT 5645			✓	
ANT 5797			✓	

	Goal # i	Goal # ii	Goal # iii	Goal # IV	Goal # V
Cultural Anthropology Elective			✓		
(Complete at least one of the following)			✓		
ANT 3005*			✓		
ANT 3334			✓		
ANT 3400			✓		
ANT 3403			✓		
ANT 3416			✓		
ANT 3418			✓		
ANT 3419			✓		
ANT 3597.01			✓		
ANT 3597.02			✓		
ANT 3623			✓		
ANT 4597.05H			✓		
ANT 5005			✓		
ANT 5050			✓		
ANT 5601			✓		
ANT 5602			✓		
ANT 5621			✓		
ANT 5624			✓		
ANT 5625			✓		
ANT 5626			✓		
ANT 5627			✓		
ANT 5797			✓		
Archaeology Elective			✓		
(Complete at least one of the following)			✓		
ANT 3350			✓		
ANT 3402			✓		
ANT 3434			✓		
ANT 3451			✓		
ANT 3452			✓		
ANT 3555			✓		
ANT 3604			✓		
ANT 4597.03H			✓		
ANT 5005			✓		
ANT 5050			✓		
ANT 5603			✓		
ANT 5604			✓		
ANT 5605			✓		
ANT 5614			✓		
ANT 5615			✓		

ANT 5651			✓		
ANT 5797			✓		
			✓		
Free Elective # 1			✓		
Free Elective # 2					
(complete any 2 additional courses from the list of electives above)					

<b>Additional Courses</b>					
EEOB 3310					✓
STAT 1450 or 2450					✓