

## **Term Information**

Effective Term Autumn 2015

## **General Information**

Course Bulletin Listing/Subject Area Anthropology  
Fiscal Unit/Academic Org Anthropology - D0711  
College/Academic Group Arts and Sciences  
Level/Career Undergraduate  
Course Number/Catalog 3604  
Course Title Intro to the Methods of Archaeological Science  
Transcript Abbreviation IntroMethodArchSci  
Course Description This course introduces students to the myriad of inter-disciplinary techniques that allow us to understand the human condition. Reviewed methods and case studies include ancient DNA analysis, stable and radiogenic isotopes, zooarchaeology, paleoethnobotany, material science, remote sensing, etc. This course is taught at an introductory level for non-science majors. Anth 2201 is suggested.  
Semester Credit Hours/Units Fixed: 3

## **Offering Information**

Length Of Course 14 Week  
Flexibly Scheduled Course Never  
Does any section of this course have a distance education component? No  
Grading Basis Letter Grade  
Repeatable No  
Course Components Lecture  
Grade Roster Component Lecture  
Credit Available by Exam No  
Admission Condition Course No  
Off Campus Never  
Campus of Offering Columbus

## **Prerequisites and Exclusions**

Prerequisites/Corequisites  
Exclusions

## **Cross-Listings**

Cross-Listings

## **Subject/CIP Code**

Subject/CIP Code 45.0201  
Subsidy Level Baccalaureate Course  
Intended Rank Freshman, Sophomore, Junior, Senior

## Requirement/Elective Designation

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

- To link the methods and methodologies applied in the investigation of the human condition.
- To become familiar with the variety of laboratory and field methods applied by archaeological scientists.
- To be able to articulate the inter-disciplinary sciences utilized by archaeologists.

### Content Topic List

- Methods
- Interdisciplinary
- DNA
- Environment
- Isotope
- Food Systems
- Landscape

## Attachments

- Dr Larsen letter 10 07 14.doc: Chair's Letter  
*(Cover Letter. Owner: Freeman,Elizabeth A.)*
- 3604 Syllabus.doc: 3604 Syllabus  
*(Syllabus. Owner: Freeman,Elizabeth A.)*
- CURRICULUM MAP and ANT 3604 3340 5700 5701 3419s.docx: Curriculum Map  
*(Other Supporting Documentation. Owner: Freeman,Elizabeth A.)*

## Comments

- We need to change the title and possibly the number. *(by McGraw,William Scott on 10/08/2014 01:40 PM)*

## Workflow Information

Status	User(s)	Date/Time	Step
Submitted	Freeman,Elizabeth A.	10/07/2014 05:04 PM	Submitted for Approval
Revision Requested	McGraw,William Scott	10/08/2014 01:40 PM	Unit Approval
Submitted	Freeman,Elizabeth A.	10/23/2014 08:03 AM	Submitted for Approval
Approved	McGraw,William Scott	10/23/2014 08:50 AM	Unit Approval
Approved	Haddad,Deborah Moore	10/23/2014 12:37 PM	College Approval
Pending Approval	Nolen,Dawn Vankeerbergen,Bernadette Chantal Hanlin,Deborah Kay Jenkins,Mary Ellen Bigler Hogle,Danielle Nicole	10/23/2014 12:37 PM	ASCCAO Approval



**Department of Anthropology**

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7 October 2014

Dear Curriculum Panel Members,

I am pleased to submit this curricular bundle for your review. This bundle includes a number of new courses, courses for General Education consideration, and several course changes. These submissions reflect the evolving profile of our teaching mission and what we have to offer our students and the institution generally. The Department of Anthropology has taken on one of its biggest curriculum revisions, involving both undergraduate majors (Anthropological Sciences, Anthropology) and graduate program, in its recent history. I am excited to endorse all of these submissions, and look forward to implementing the revisions to the Anthropology curriculum.

Best regards,

A handwritten signature in blue ink that reads "Clark S. Larsen".

Clark Spencer Larsen

Distinguished Professor of Social and Behavioral Sciences and Chair

## **Anthropology 3604; Intro to the Methods of Archaeological Science**

Dr. Deanna N. Grimstead

Office: 4050 Smith Laboratory, 174 W. 18<sup>th</sup> St. Dept. of Anthropology, The Ohio State University, Columbus, OH 43210

Email: [grimstead.1@osu.edu](mailto:grimstead.1@osu.edu)

Phone: 614.292.9771

Office Hours: T/R 1600-1700

### **Class Time and Location**

Time: Tuesday and Thursday 1420 - 1540

Place: Smith Lab 1048

### **Class Overview**

This course is designed to introduce students to the myriad of archaeological inter-disciplinary techniques that allow us to understand the human condition in prehistory. Reviewed methods and case studies include ancient DNA analysis, stable and radiogenic isotopes, zooarchaeology, paleoethnobotany, material science, remote sensing, etc. This course is taught at an introductory level for non-science majors with the intent of providing a solid background for any practitioner of anthropology and archaeology.

Methods: Classes will be composed lectures, laboratory visits, slides, maps, videos, demonstrations, guest lecturers, discussions, a text book, and supplementary readings.

### Primary Learning Outcomes:

1. To be able to articulate the inter-disciplinary sciences utilized by archaeologists.
2. To become familiar with the variety of laboratory and field methods applied by archeological scientists.
3. To link the methods and methodologies applied in the investigation of the human condition.

### **Performance and Evaluation**

This is a lecture, discussion, and practical based course; attendance is essential. I will not however be taking attendance. It is your responsibility to attend class on a regular basis. I also expect students to contribute in class by asking and answering questions and participating in discussions.

### **Textbook and Readings**

- D. R. Brothwell and A. M. Pollard, (eds.) 2001. Handbook of Archaeological Sciences. John Wiley & Sons, LTD, New York.
- Additional readings will be assigned throughout the class and can be accessed from CARMEN.

### **Exams**

Two exams contribute to your final class grade. All exams may have multiple choice questions, fill in the blank, essays, short IDs, and picture IDs and/or a map. Exams are based on material from

readings, lectures, lab visits, etc. *No makeup tests are given without a note from a doctor/ official legitimizing the absence. I reserve the right to dismiss any excuse that I deem unacceptable.*

### **A Note on Late Materials**

No late materials will be accepted in this course.

### **Class Participation**

Students are expected to contribute to class discussion on a regular basis.

### **Disclaimer**

I reserve the right to make adjustments in the schedule and requirements of the class during the course of the semester. I will announce all changes in class. All major changes (e.g., changed assignments) will be accompanied by an addendum syllabus.

### ***ACADEMIC MISCONDUCT:***

The Ohio State University's Code of Student Conduct (Section 3335–23–04) defines academic misconduct as: "Any activity that tends to compromise the academic integrity of the University, or subvert the educational process." Examples of academic misconduct include (but are not limited to) plagiarism, collusion (unauthorized collaboration), copying the work of another student, and possession of unauthorized materials during an examination. Ignorance of the University's Code of Student Conduct is never considered an "excuse" for academic misconduct, so I recommend that you review the Code of Student Conduct and, specifically, the sections dealing with academic misconduct.

If I suspect that a student has committed academic misconduct in this course, I am obligated by University Rules to report my suspicions to the Committee on Academic Misconduct. If COAM determines that you have violated the University's Code of Student Conduct (i.e., committed academic misconduct), the sanctions for the misconduct could include a failing grade in this course and suspension or dismissal from the University.

If you have any questions about the above policy or what constitutes academic misconduct in this course, please contact me.

**Academic Honesty and Classroom Etiquette:** 99% of students are very honest and very considerate of other students and the professor. But most of us at some point in our lives are tempted to take an unethical or illegal short cut, and all of us, at some point, behave badly. I encourage you to familiarize yourself with the University's academic integrity policy (<http://ugeducation.osu.edu/academicintegrity.shtml>). Cheating, giving or receiving answers, and plagiarism will not be tolerated in this class. If you are caught cheating or plagiarizing, you WILL FAIL this course, period!

Being rude or disruptive in class hurts your classmate's quality of education. Thus certain behaviors are not tolerated. This is a non-exhaustive list. Committing anyone of them will result in a warning. After a warning committing any of these acts will result in ejection from the class:

1. Cell Phone use of any kind. (Please turn them off during class)

2. Talking when you are not called upon or not speaking to the whole class.
3. Reading newspapers, magazines, etc.
4. Completing work for another class,
5. Computer use that is not directly related to the class (e.g., facebooking, IMing, gaming, skypeing, tweeting, etc.)
6. Verbally or Physically aggressive behavior. (**Automatic class ejection and mandatory individual meeting with instructor prior to returning**)
7. Being intoxicated in class (Alcohol or other). (**Automatic class ejection and mandatory individual meeting with instructor prior to returning**)
8. Leaving early or coming in more than 10 minutes late without permission.

I understand that life happens sometimes; meaning you may have to break one or more of these class rules at some point, but please be responsible about this. For example, if you need to leave early, then please let me know prior to class, and then leave as discretely as possible. If you are a parent or other legal guardian you may leave your cell phone on, but please leave it on vibrate or in silent mode.

**Special Needs and Accommodations Statement:**

Students who need special accommodation or services should contact the Office for Disability Services as soon as possible: <http://ods.osu.edu>, 614-292-3307, email: [ods@osu.edu](mailto:ods@osu.edu). You must register and request that the Center or DRC send me official notification of your accommodations needs as soon as possible. Please plan to meet with me by appointment or during office hours to discuss accommodations and how my course requirements and activities may impact your ability to fully participate. The need for accommodations must be documented by the appropriate office.

**Confidentiality of Student Records:**

[http://registrar.osu.edu/policies/privacy\\_release\\_student\\_records.pdf](http://registrar.osu.edu/policies/privacy_release_student_records.pdf)

**Grade Summary**

Midterm Exam	35%
Final Exam	35%
Term Paper	30% (see instructions below)

Final letter grades will be determined using the following criteria:

- A: 90%+
- B: 80-89%
- C: 70-79%
- D: 60-69%
- E: 59% and below

**CLASS SCHEDULE**

1. What is Archaeological Science (Week 1)

In class: Syllabus and course overview; Introduction to archaeological science

Readings: Brothwell & Pollard – Forward and Introduction

2. Quaternary Paleoenvironments (Week 2)

In class: Reconstructing past environments

In class: Paleoenvironmental indicators: mollusks, mammals, and paleovegetation

Readings: Brothwell & Pollard – Section 2 (Pg. 101 – 202)

3. Dating (Week 3)

In class: Relative Dating Techniques and Geochemistry

In class: Carbon, Uranium series, Argon-Argon, and trapped charge dating techniques

Readings: Brothwell & Pollard – Section 1 (Pg. 1 - 100)

4. Biological Resource Exploitation (Week 4 - 6)

In class: Theoretical framework (EE & HBE)

In class: Zooarchaeology, ethnopaleobotany, and landscape

In class: Case Studies & Guest lecture

In class: Guest lecture

In class: Lab visits to zooarch and paleobot labs.

Readings: Brothwell & Pollard – Section 5 (Pg. 359 - 440)

5. Inorganic Resource Exploitation (Week 7)

In class: Materials studies in archaeology

In class: From volcanic glass to glaze – case studies

Readings: Brothwell & Pollard – Section 6 (Pg. 441 – 518)

**\*\*\* MIDTERM EXAM in week VII. \*\*\***

6. Biomolecular Archaeology (Week 8 - 10)

In class: Biological materials growth and maintenance

In class: Ancient DNA

In class: Isotopic studies of diet and migration

In class: Lipids, blood residues, and proteins

In class: **(Lab visits)**

Readings: Brothwell & Pollard – Section 4 (Pg. 293 – 358, & supp. readings)

#### 6. Archaeological Prospection (Week 11 – 12.5)

In class: Invasive and non-invasive techniques (Geophysical, remote sensing, geochemical surveys, etc.)Reconstructing past environments

In class: Case Studies from prospection and minimizing damage

In class: geoprospection of The OSU Oval

Readings: Brothwell & Pollard – Section 7 (Pg. 519 – 584)

#### 7. Future Directions (Week 12.5 – 13.5)

In class: A survey of cutting edge methods from in and outside archaeology

In class: Case Studies and reading discussions

Readings: Recent applications in Archaeological Science (assigned reading from recent publications)

**\*\*\* FINAL EXAM: TBD \*\*\***

#### **Term Paper**

In this course you are expected to produce a final term paper. This term paper is due **Thursday, April 10<sup>th</sup>, at the beginning of class.**

The actual *term paper* should be scholarly and academic. The paper must relate to the archaeological sciences in some way, and may be either a methodological review or original research. Papers that apply the hypothetico-deductive approach are encouraged, but literature reviews on a specific topic are also reasonable. Please visit me during office hours to discuss potential topics. **The paper must be no less than 10 double spaced pages and no more than 12 double spaced pages. Use 1” margins and Times New Roman 12 point font.** The page limits do not include your references cited, tables, figures, etc. The page requirement refers to actual text pages. The “A” paper will be well thought out, follow the American Antiquity style guide (A style guide for archaeologists that can be found on CARMEN), have less than 10 spelling/grammar errors, lack problems in logic and flow, and show a solid grasp of academic writing. Please refer to the term paper grading rubric while preparing your term paper.

*Titles and abstracts* synthesize your work, making it easy for the reader to quickly understand what the paper is about, your methods, and findings. Before writing your abstract please read several abstracts from anthropology journal articles (e.g., American Antiquity, Current



Anthropology, American Journal of Physical Anthropology, etc.). This will help you get a feel for what an abstract is and how to write one. **Your abstract should be less than 300 words, but more than 100.**

Please recognize the difference between a *bibliography* and *references cited page*. The references cited page consists of only the material actually cited in the paper. The format for the paper and references cited used in this class will be the American Antiquity Style Guide (An archaeological journal), and will be posted on the CARMEN webpage. In your references cited do not use “soft” references, such as Wikipedia, Google, news articles, family and friends, etc. Please tend toward “hard” references: books, chapters in edited books, journal articles, historical documents, etc. Soft references will not be counted towards your total reference count.

I encourage you to write a complete rough draft of you manuscript at least two weeks before the final due date. This rough draft is an opportunity for you to get feedback from your peers, so that the “A” paper is obtainable. No one writes a perfect paper, so do not be offended or hurt by criticisms of your work. That is part of the peer review process. Even academic papers often go through 30-50 rounds of editing before they finally become published.

\*\*I will be using Turnitin.com, so **DO NOT plagiarize!** Leniency will be granted as you learn the proper way to cite intellectual material and properly quote statements from other people, but there is absolutely no room for copying the works of others and turning it in as your own. You will be required to submit your paper to Turnitin.com. Failure to do so means you will receive an F for the term paper assignment. **Plagiarism will result in automatic failure of the class.**

#### **Example of In-Text Citations:**

*Example of specific information in the book you are reviewing (note page number but you do not need to cite the author's name):*

“Anglo-American archaeology naively continues the British imperial tradition...of legitimating colonization by characterizing the conquered as less than civilized” (pp. 270).

*Example of general information from a source that is not the book you are reviewing (note you do not need to put page number as you are using the source as a general example. Also in text citations are alphabetical. Use et al. when there are three or more authors):*

The addition of this concept allows archaeologists to discuss Native political systems in more sophisticated ways and attribute political complexity to groups and areas where it was previously unrecognized (e.g., Feinman and Neitzel 1984; Gill et al. 1983; Greenwood 1980).

*Example of specific information from a source that is not the book you are reviewing (note you not need to put page numbers as you are referencing specific ideas that are the property of others):*

Instead, they suggest that common features observed over a large portion of the Americas may be better explained by an earlier shared history in the Early Archaic (Clark and Knoll 2005:297).

## Examples of Bibliography Citations

### Journal Article Examples (note alphabetical)

Burd, John S.

1919 Rate of Absorption of Soil Constituents at Successive Stages of Plant Growth. *Journal of Agricultural Research* 18(2): 51 – 71.

Cameron, Catherine M.

2001 Pink Chert, Projectile Points, and the Chacoan Regional System. *American Antiquity* 66(1): 79 – 101.

### Book Example

Boserup, Ester

1966 *The Condition of Agricultural Growth: The Economics of Agrarian Change Under Population Pressure*. Aldine Publishing Company, Chicago, IL.

### Chapter in an Edited Book

Betancourt, Julio L., Paul S. Martin, and Thomas R. Van Devender

1983 Fossil Packrat Middens From Chaco Canyon, New Mexico: Cultural and Ecological Significance. In *Chaco Canyon Country, A Field Guide to the Geomorphology, Quaternary Geology, Paleoecology, and Environmental Geology of Northwestern New Mexico*, edited by S.G. Wells, D.W. Love and T.W. Gardner, pp. 207 – 217. American Geomorphological Field Group, Albuquerque.

**\*\*This syllabus is subject to change. Any modifications will be announced during class. The syllabus posted on CARMEN will always be the most accurate reference. Failure to attend class or discussion sections does not absolve you from adhering to the changes.**

**Curricular Map and Program Goals as they pertain to ANT 3604, 3340, 5700, 5701 and 3419s.**

The Department of Anthropology seeks to add the following four courses to their offerings:

**ANT 3604** – *Introduction to the Methods of Archaeological Sciences*

**ANT 3340** – *The Anthropology of Mental Health*

**ANT 5700** – *Anthropology, Public Health, and Human Rights*

**ANT 5701** – *Health and Healing in Latin America and the Caribbean*

**ANT 3419s** – *Latin American Migration* (service learning)

Details pertaining to content and specific learning outcomes for each course are provided in other documents (attached syllabi, rationale, etc.). Here we describe each course and their fit with the learning goals of our major programs (Anthropology BA, Anthropological Sciences BS).

**ANT 3604** is a general introduction to major methods used in the anthropological sub-discipline of archaeology and is offered by a new departmental hire. It is a non-lab methods course that provides an entry for students interested in taking more advanced methods courses. It may be used as an archaeological elective (highlighted in yellow, below) or, if this distribution is filled by another archaeology course, as a free elective (marked in purple, below) (see outline of Anthropology and Anthropological Sciences major). This course provides a mix of both foundational knowledge and more detailed exposure to the methods of archaeological science and therefore addresses program learning goals i, iii and iv of the BA program and v, vii and viii of the BS program.

**ANT 3340** and **ANT 5700** are both cultural anthropology courses (offered by a new departmental hire) that will serve as specialized elective courses for mid-range and advanced students interested in the growing field of medical anthropology. Each course may be used as a cultural anthropology elective (highlighted in grey, below) or, if this distribution is filled by another cultural anthropology course, as a free elective (highlighted in purple, below) (see outline of Anthropology and Anthropological Sciences major) below. Both courses provide mid-range and in- depth knowledge of two critical themes within the field of medical anthropology and therefore address program learning goals iii and iv of the BA program and vii and viii of the BS program.

**ANT 5701** is as biocultural examination of health and healing practices in Latin America. The course was designed by Barbara Piperata (recent recipient of a Human Biology Society early career award) who studies the interface between traditional healing practices (shamanism, ethnobotany) and Western medicine (and the resultant inequalities) in Amazonian Brazil. She brings a sound theoretical perspective along with firsthand knowledge to the classroom. The

course is equally biological (physical anthropology) and cultural and may, therefore, be used as either a physical anthropology elective (highlighted in blue, below) or a cultural anthropology elective (highlighted in grey, below) within the Anthropology (BA) or Anthropological Sciences (BS) major. If either distribution is filled with another course, ANT 5701 may be used as a free elective (denoted in purple).

**ANT 3419s** is the Service-Learning version of our Latin American Migration course. It is a cultural anthropology course that can be used to fulfill the cultural elective (highlighted in grey, below) or, if that has been filled, it can be used as a free elective (highlighted in purple, below). The course provides ethnographic experience and civic engagement in a community setting and therefore address program learning goals ii, iii and iv of the BA program and vii and viii of the BS program.

## 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>i</i></b>	<b>Goal # <i>ii</i></b>	<b>Goal # <i>iii</i></b>	<b>Goal # <i>iv</i></b>
ANT 2200	✓			
ANT 2201	✓			
ANT 2202	✓			
ANT 3300 or 3301		✓		
ANT 3401		✓		
ANT 3525		✓		
<b>Elective Courses</b>				
Physical Anthropology Elective			✓	
Cultural Anthropology Elective			✓	
Archaeology Elective			✓	
Free Elective # 1				✓
Free Elective # 2				✓

## Outline of Anthropology Major (BA)

Courses are color coded as follows: Physical Anthropology, Cultural Anthropology and Archaeology. Free Electives are in purple.

### I. Pre-requisites (4 hours)

This course must be completed prior to declaration of the major.

**ANT 2200 – Introduction to Physical Anthropology** (4 hours)

### II. Core Courses (15 hours)

1) Physical Anthropology (choose one of the following)

**ANT 3300 – Human Origins** (3 hours)

**ANT 3301 – Modern Human Physical Variation** (3 hours)

2) Archaeology (complete both)

**ANT 2201 – Intro to Archaeology** (3 hours)

**ANT 3401 – Fundamentals of Archaeology** (3 hours)

3) Cultural Anthropology (complete both)

**ANT 2202 – Peoples and Cultures: An Introduction to Cultural Anthropology** (3 hours)

**ANT 3525 – History of Anthropological Theory** (3 hours)

### III. Electives (minimum of 15 hours)

All students must complete 15 hours of electives (normally 5 courses) including at least one course in each of the three sub-disciplines (physical anthropology, archaeology and cultural anthropology). The remaining hours may be completed in any of the three anthropological disciplines and are considered “free” electives.

1) **Physical Anthropology elective** (3 hours)

2) **Archaeology elective** (3 hours)

3) **Cultural Anthropology elective** (3 hours)

4) **Anthropology free elective # 1** (3 hours)

5) **Anthropology free elective # 2** (3 hours)

## 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>i</i></b>	<b>Goal # <i>ii</i></b>	<b>Goal # <i>iii</i></b>	<b>Goal # <i>iv</i></b>	<b>Goal # <i>v</i></b>
ANT 2200	beginning				
ANT 2201	beginning				
ANT 2202	beginning				
ANT 3300		intermediate			
ANT 3301		intermediate			
ANT 3401		intermediate			
ANT 5620.01		intermediate			
<b>Elective Courses</b>					
Physical Anthropol Elective			advanced		
Cultural Anthropol Elective			advanced		
Archaeology Elective			advanced		
Free Elective # 1				advanced	
Free Elective # 2				advanced	
<b>Additional Course</b>					
EEOB 400					advanced
STAT 145 or 245 or Equiv					intermediate

## Outline of Anthropological Sciences Major (BS)

Courses are color coded as follows: Physical Anthropology, Cultural Anthropology and Archaeology. Free Electives are in purple.

### I. Pre-requisites (7 hours)

These courses must be completed prior to declaration of the major.

- 1) ANT 2200 – *Introduction to Physical Anthropology* (4 hours)  
STATS 1450 – *Intro to Statistics* (or equivalent)

### II. Core Courses (18 hours)

- 1) Physical Anthropology (complete both of the following)  
ANT 3300 – *Human Origins* (3 hours)  
ANT 3301 – *Modern Human Physical Variation* (3 hours)
- 2) Archaeology (complete both of the following)  
ANT 2201 – *World Prehistory: An Anthropological Perspective* (3 hours)  
ANT 3401 – *Fundamentals of Archaeology* (3 hours)
- 3) Cultural Anthropology (complete both of the following)  
ANT 2202 – *Peoples and Cultures: An Introduction to Cultural Anthropology* (3 hours)  
ANT 5620 – *Hunters and Gatherers* (3 hours)

### III. Electives (minimum of 15 hours)

All students must complete 15 hours of electives (normally 5 courses) including at least one course in each of the three sub-disciplines (physical anthropology, archaeology and cultural anthropology). The remaining hours may be completed in any of the three anthropological disciplines and are considered “free” electives.

- 1) Physical Anthropology elective (3 hours)
- 2) Archaeology elective (3 hours)
- 3) Cultural Anthropology elective (3 hours)
- 4) Anthropology free elective # 1 (3 hours)
- 5) Anthropology free elective # 2 (3 hours)

### IV. Additional Required Courses

- 1) EEOB 400 *Evolution* (3 hours)