

Fiscal Unit/Academic Org	Anthropology - D0711
Administering College/Academic Group	Arts and Sciences
Co-administering College/Academic Group	
Semester Conversion Designation	New Program/Plan
Proposed Program/Plan Name	Forensic Anthropology Certificate
Type of Program/Plan	Undergraduate certificate program
Program/Plan Code Abbreviation	FORANTH
Proposed Degree Title	Forensic Anthropology Certificate

Credit Hour Explanation

Program credit hour requirements		A) Number of credit hours in current program (Quarter credit hours)	B) Calculated result for 2/3rds of current (Semester credit hours)	C) Number of credit hours required for proposed program (Semester credit hours)	D) Change in credit hours
Total minimum credit hours required for completion of program				16	
Required credit hours offered by the unit	Minimum			16	
	Maximum			16	
Required credit hours offered outside of the unit	Minimum			0	
	Maximum			0	
Required prerequisite credit hours not included above	Minimum			0	
	Maximum			0	

Program Learning Goals

Note: these are required for all undergraduate degree programs and majors now, and will be required for all graduate and professional degree programs in 2012. Nonetheless, all programs are encouraged to complete these now.

Program Learning Goals

- Recognize situations that could benefit from including a forensic anthropologist, or forensic anthropology methodology, while being able to assist that expert in a meaningful way.
- Know the questions to ask of law enforcement, forensic anthropologists, criminal justice system personnel, to ensure that cases/research projects are worked to maximize evidence/data collection, through to court testimony.
- Understand reports generated by forensic anthropologists, medical professionals, or other experts that work with human remains.

Assessment

Assessment plan includes student learning goals, how those goals are evaluated, and how the information collected is used to improve student learning. An assessment plan is required for undergraduate majors and degrees. Graduate and professional degree programs are encouraged to complete this now, but will not be required to do so until 2012.

Is this a degree program (undergraduate, graduate, or professional) or major proposal? No

Program Specializations/Sub-Plans

If you do not specify a program specialization/sub-plan it will be assumed you are submitting this program for all program specializations/sub-plans.

Pre-Major

Does this Program have a Pre-Major? No

Attachments

- Letter of support (Forensic Anthropology) D. Horn.docx: Letter ASC
(Letter from the College to OAA. Owner: Vankeerbergen,Bernadette Chantal)
- FOR_ANTH_Cert_Proposal_FINAL_edits_after_cmmtt.pdf: Full Proposal
(Program Proposal. Owner: Healy,Elizabeth Ann)

Comments

- See SBS Panel feedback emailed on 2-14-20. *(by Vankeerbergen,Bernadette Chantal on 02/14/2020 12:09 PM)*
- 01.26.20: This proposal will need a letter of support which Assoc. Exec. Dean, David Horn, can provide. I am approving for now to get this to SBS Panel review. I will ask David for his letter which can be added later. *(by Haddad,Deborah Moore on 01/26/2020 07:30 PM)*

Workflow Information

Status	User(s)	Date/Time	Step
Submitted	Healy,Elizabeth Ann	01/24/2020 11:48 AM	Submitted for Approval
Approved	McGraw,William Scott	01/26/2020 07:10 PM	Unit Approval
Approved	Haddad,Deborah Moore	01/26/2020 07:30 PM	College Approval
Revision Requested	Vankeerbergen,Bernadette Chantal	02/14/2020 12:09 PM	ASCCAO Approval
Submitted	Healy,Elizabeth Ann	11/10/2020 03:12 PM	Submitted for Approval
Approved	Guatelli-Steinberg,Debra	11/11/2020 10:32 AM	Unit Approval
Approved	Haddad,Deborah Moore	11/11/2020 11:02 AM	College Approval
Pending Approval	Jenkins,Mary Ellen Bigler Hanlin,Deborah Kay Oldroyd,Shelby Quinn Vankeerbergen,Bernadette Chantal	11/11/2020 11:02 AM	ASCCAO Approval



28 January 2020

Randy Smith, Vice Provost
Council on Academic Affairs

Dear Randy and members of the Council,

I am pleased to confirm the support of the College of Arts and Sciences for the proposed certificate in Forensic Anthropology. The certificate will complement the existing interdisciplinary minor in Forensic Science: although the two credentials overlap in places, the certificate is more focused on specifically anthropological approaches and offers more practical training than the existing minor. As supporting documents attest, the stand-alone version of the certificate also has the potential to attract law enforcement professionals and others who work with human or animal remains.

Sincerely,

David Horn
Professor of Comparative Studies
Associate Executive Dean for Undergraduate Education

1. Certificate proposal:
 - a. Proposed certificate name **FORENSIC ANTHROPOLOGY (ForAnth-Cert)**
 - b. Type – both
 - i. Type 1a - Post-high School Diploma – stand alone
 - ii. Type 1b - Post-high School Diploma – embedded
 - c. Delivery
 - i. Wholly in person
 1. Potential to add online/webinar sections depending on demand and audience
 - d. Proposed implementation date
 - i. Fall 2020
 - e. Certificate administration
 - i. Type 1a – University, OAA signature
 - ii. Type 1b - College; Program level Dean

2. Rationale/purpose/program goals

- a. The value of this certificate. The ForAnth-Cert lends itself to:
 - i. Workforce enhancement

1. Both certificate types (Types 1a. and 1b.) aim to increase understanding of who a forensic anthropologist is, what techniques, methodologies, and analyses they use, what data and interpretations they can and cannot generate under different circumstances, how TV depictions of forensic anthropologists are flawed and why, and how to engage and work with such individuals within the context of different career fields.

The OSU Industry Needs Assessments Report (Parker *et al.* 2018) and the National Research Council report, Strengthening Forensic Sciences in the United States: A Path Forward report, (Anon, 2009) detail the need to close a skills gap between the classroom and the workplace, and practical training can reduce those skills gaps.

Skills gaps identified by employers, and that this certificate will address include exercises in: Communication, leadership, management, professionalism, problem solving, critical thinking, teamwork and collaboration, and flexibility. Classes in the ForAnth-Cert program require students to work in groups, sometimes to take the lead as well as follow, plan and work out the correct sequence of steps in various situations, and problem solve in a dynamic and flexible fashion.

While certificates cannot address all these issues in depth, they can go a long way to reducing these skills gaps.

- ii. Complement to various anthropology and non-anthropology degree programs
 - 2. Apart from anthropology, criminal justice and law enforcement are the most common fields associated with forensic anthropology. Identifying human from animal bone, time since death, and constructing a biological profile (sex, age, ancestry, stature, trauma, and unique human variation) are the most common usages. As well as current criminal cases, there are cold cases and large scale criminal investigations (war crimes, terrorist attacks), that need the skills associated with forensic anthropology.

Other academic fields outside of the criminal justice system that may benefit from learning about forensic anthropology include those who work with any kind of human or animal remains, whether they are fleshed, skeletal, or mummified or a combination thereof, and who have research questions about cultural heritage, lifeways and health outcomes of individuals and populations. These could include archaeologists, osteologists, museum curators, and experts who work on large humanitarian mass casualty situations (tsunamis, plane crashes, earthquakes).

- iii. Enhancement for graduate school applications
 - 2. Allowing students to get applied experience gives them an advantage when applying to graduate school. As well as showing competence to complete applied work, the experience that students gain in applied classes enhances retention of information that will benefit them in classes at the graduate level.

b. Student demand

- i. Anthropology majors or other interested majors
 - 1. E.g. criminal justice, biology, biochemistry, health sciences, etc.
- ii. Professionals
 - 1. allied health personnel
 - a. physical therapists, personal trainers, nurses
 - 2. health personnel
 - a. osteopaths, chiropractors
 - 3. law enforcement personnel
 - a. coroners/medical examiners offices
 - i. coroners
 - ii. death investigators
 - iii. forensic pathologists
 - b. police officers
 - i. missing persons units
 - 1. cold case units

2. civilian support services
 3. Crime Scene Investigators/Crime Scene Support Unit
 - c. search and rescue personnel
 - i. K9 SAR (search and rescue) groups
 - ii. SAR support personnel
 - d. state agency investigators
 - i. Field agents
 - ii. Research lab workers
 4. lawyers/law personnel
 - a. criminal justice
 - b. social justice
- iii. Outside of OSU, in Columbus, there are no other programs like the one proposed. Central Ohio Technical College (COTC) has just suspended their forensic science program, although forensic anthropology was not included in it. (<http://www.cotc.edu/Academics/Pages/Forensic-Science-Technology.aspx>). Columbus State Community College (CSCC) only teaches one introductory level forensic anthropology class (ANTH 2235 <https://catalog.csc.edu/courses/ANTH2235>). This certificate program could be of interest to students and professionals in Columbus generally, and to CSCC and COTC students specifically.

c. Learning statements

- i. Upon completion of the academic certificate in Forensic Anthropology, learners/students/law enforcement personnel will be better prepared to:
 1. Recognize situations that could benefit from including a forensic anthropologist, or forensic anthropology methodology, while being able to assist that expert in a meaningful way
 2. Know the questions to ask of law enforcement, forensic anthropologists, criminal justice system personnel, or other experts who work with skeletal material, to ensure that cases/research projects are worked to maximize evidence/data collection, through to court testimony.
 3. Understand reports generated by forensic anthropologists, medical professionals, or other experts that work with human remains.
- ii. Assessment.
 1. The expectation is that:
 - a. 75% of the students taking this certificate will complete the program with an overall minimum C grade (2.0 GPA) within four semesters

- b. and 80% of the students taking this certificate will complete the program with an overall minimum C grade (2.0 GPA) within five semesters

3. Relationship to other programs/benchmarking

a. Overlaps within OSU

- i. Within OSU, there are no other comparably focused programs like the proposed ForAnth-Cert. The anthropology department does house the Forensic Science Minor (FORSCI-MN), and the Physical Anthropology minor, both of which have some overlap with the proposed ForAnth-Cert (Table 1).

Table 1.

Existing Minor \ Proposed Cert classes	2200/H Req	3504 Elec	5607 Core	5608 Elec	5610 Elec	5644 Core	5686 Core
Forensic Science	No	Core choice & Elec	Core choice & Elec	Elec	Core choice & Elec	Core choice & Elec	Elec
Physical Anthro	Req	Elec	Elec	Elec	Elec	Elec	Elec

- ii. The FORSCI-MN was developed via an interdisciplinary committee during 2006 – 2007. The purpose of the minor was “. . . to provide students with a broad-based understanding of the field of forensic science.” (Anon, 2006).

While there are overlaps in the classes between the FORSCI-MN and the proposed ForAnth-Cert, the purpose of the Certificate is a much narrower focus, with an emphasis on just one specific aspect of forensic enquiry and one specific aspect of physical anthropology. This is reflected in fewer elective choices, and no class options outside of the anthropology department.

The proposed certificate also has some overlaps with the Physical anthropology minor housed in the anthropology dept., but as with the FORSCI-MN, the focus, and required, core and elective classes, are broader in scope. Both the Physical Anthropology minor and the FORSCI-MN all have multiple electives, which in the case of the FORSCI-MN include elective class choices in ten departments outside of anthropology.

This micro-credential specialization will appeal to anthropology majors perhaps more than the forensic science minor, which appeals to a wider audience outside of anthropology, and the physical anthropology minor, which has a broader scope of study.

- b. Previous proposal applications
 - i. None
 - c. Similar programs locally/nationally
 - i. Using the search terms “forensic anthropology certification program” and “forensic anthropology certificate”, and looking directly at the websites of some of the larger colleges in Ohio, elicits very few comparison programs, whether local or national. Only the University of Florida (online), the University of Hawai’i, East Carolina University, and the University of South Dakota have some form of a forensic anthropology certification. These programs vary in number of credits from four credits to 32 credits, and from a flexible choice of classes to a set program. The subject matter of the proposed OSU certificate falls well within the subject matter covered by these outside programs. A few other locations (Mercyhurst, CSU Chico, and the University of Nebraska Lincoln) have graduate certification programs.
4. Student enrollment/target audience
- a. Anticipated enrollment.
 - i. Based on the cross-disciplinary nature of anthropology generally, and forensic anthropology specifically, student enrollment may come from a variety of sources, as set out above.

Table 2. Expected enrollment numbers for the certificate.

Year 1	Year 2	Year 3	Year 4
15	20	25	30

- ii. These numbers are based on discussions with anthropology faculty, the anthropology advisor, the ANTH 1100 course designer, student feedback on assessments, and conversations with forensic professionals.
 - 1. The numbers are conservative due to the pandemic and the difficulties of engaging in a meaningful way with potential students. That said, several of the classes in the certificate are now offered online or hybrid, which could make the certificate more accessible to students and professionals alike.
- iii. Historically, this set of classes enroll and run at least once a year. Standalone certification students will enroll with other students from embedded certificates, and with students who are taking the classes as majors, minors, and electives.

Some classes have existing excess capacity (see Table 3 in Section 5. c. ii) or could run twice a year if interest is high enough. Based on informal interviews with several law enforcement personnel, there may be some barriers to law enforcement personnel taking traditional university classes (Appendix 1). Solutions include one or a combination of:

 - 1. Online, webinar, or evening portions for certain classes.

2. Classes scheduled once a week for 2 ¾ hours, with a later start, e.g. from 5pm onwards (this already happens with some of the classes on the list).
 3. Classes scheduled for one week in Summer semester, with around 40 face hours of teaching
 - a. This mimics the three to five day short courses that professionals are used to taking
 - i. Some professionals may prefer to take any classes offered over one week rather than complete the certificate, BUT they are getting good information to help do their job better, and the outcome is better forensic anthropology
 - iv. The anthropology department can reach the target audiences by a variety of means:
 1. To OSU students through visiting targeted classes that could garner recruits, OSU ASC advising, OSU Communications, Freshman seminars, Honors advising, and by using OSU and anthropology social media accounts.
 2. To non-OSU students through promotion to other area colleges that do not have such programs but who have Criminal Justice or other forensic classes via their advising departments.
 3. To law enforcement personnel at the Columbus Police Department Academy, the Bureau of Investigation, the Ohio Peace Officers Training Academy, the Franklin County Coroner's Office, and various Ohio K9 Search and Rescue group personnel.
5. Curricular requirements (Appendix 2).
- a. Minimum number of credit hours
 - i. 16 hours/5 classes
 - b. Number of semesters to completion (Appendices 3 & 4).
 - i. Three to five semesters, depending on offerings and classes the student may have already taken.
 - c. Course offering and capacity
 - i. The classes for the certificate are offered during Fall and/or Spring semesters (Table 3).
 1. ANTHROP 2200/H is offered multiple times during both Spring and Fall semesters, both in person and online, and it is offered during the summer semester as an online class. As a science GE, many students may already have this class credit.
 2. ANTHROP 3504, ANTHROP 5607, ANTHROP 5608, and ANTHROP 5686 are offered in Fall semester.
 3. ANTHROP 5644 is offered both Fall and Spring semesters.
 4. ANTHROP 5610 is offered in Spring semester.

ii. Capacity and enrollments:

Table 3. Current capacities for all the classes in the proposed certificate, along with historical enrollment rates. All the classes have 10% to 60% more capacity that would be available for certificate seeking students.

Class	Current capacity	FY 14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	Fall 19
ANTHROP 2200	Over 900	100's	100's	100's	100's	100's	Over 900
2200H	75	75	75	75	75	75	73
ANTHROP 3504	50	*	26	27	32	28	44
ANTHROP 5607	35	39	34	45	32	30	29
ANTHROP 5608	No data	No data	19	11	19	10	*
ANTHROP 5610	25	40	*	35	35	18	17
ANTHROP 5644	30	15	31	14	30	18	12
ANTHROP 5686	20	**	**	**	**	12	13

*Not offered

**Offered in four-week Maymester form, not current Fall semester form.

- iii. Depending on demand and students requests, some classes could be offered as one session per week, with late afternoon/evening starts or possibly Saturdays, or with certain weeks offered online. However, as this certificate is about having applied and hands-on experiences, online classes should be kept at a minimum.
- iv. The pre-requisites for the proposed certificate are few and easily satisfied (see Appendix 2).
1. Two classes, ANTHROP 3504 and ANTHROP 5686 have no pre-requisites at all.
 2. The required class, ANTHROP 2200/H, needs an intro level biology class or equivalent to register, which ANTHROP 3504 could suffice for.
 3. ANTHROP 2200/H then unlocks two of the other six classes, and along with ANTHROP 5607 unlocks the remaining two classes.

d. What equipment/sites is/are needed?

- i. All equipment and class space is existing and the new certifications will not affect existing programs.

- e. Advising (Appendix 5)
 - i. Jules R. Angel.29 (Senior Lecturer/Ph.D.)
 - ii. Karen Royce.6 (Senior Academic Advisor, College of Arts and Science, Earth Sciences, and Anthropology/Ph.D)

- f. Appendices
 - 1. Law enforcement response
 - 2. Course list
 - 3. Sample program
 - 4. Completion sheet
 - 5. Advising sheet

References Cited

Anon.

2006 Proposal for an Interdisciplinary Minor in Forensic Science. The Colleges of the Arts and Sciences. Available at https://oaa.osu.edu/assets/files/caa/UgradMinorinForensicScience_000.pdf Accessed on September 24, 2019.

Anon.

2009 Strengthening Forensic Science in the United States: A Path Forward. Committee on Identifying the Needs of the Forensic Sciences Community, National Research Council. Document number 228091. The National Academies Press, Washington, D.C.

Parker, Jessica, Brian Guerrero, Scott Kustis, Jeremy Hale.

2018 Industry needs Assessment. Center for Career and Professional Success. The Ohio State University College of Arts and Sciences.

Appendix 1. Informal questions to law enforcement agencies.

Criteria Agency	Are these classes useful for staff?	If classes were only offered during the day- could they attend?	What does your agency allow for prof devel/CEU/special duty classes?	# of classes per week 1 – 165 mins 2 – 80 mins 3 – 55 mins	Would evening classes work with a start time of 4 or 5pm?	Would weekend classes work?	What barriers to attendance do you see for your personnel?	Other concerns
BCI Regular office hours	<ul style="list-style-type: none"> • Yes • DNA, Bio, field agents 	Depends – <ul style="list-style-type: none"> • outside of workhours would be on individual • could get through union 	<ul style="list-style-type: none"> • can be webinars • 1 week class; 38 hrs face time • 8 hrs of CEU's req pa w/ supervisors approval 	<ul style="list-style-type: none"> • 1 class per week better 	<ul style="list-style-type: none"> • Yes • If no other option could get approval 	<ul style="list-style-type: none"> • Yes, e.g. 5 Saturdays in a row • No, if spread out more 	<ul style="list-style-type: none"> • Cost • Approval process • Taking off 1 – 2 weeks to do • Travel and lodging costs 	<ul style="list-style-type: none"> • Avoid major conferences in Feb, late Sept/Oct • Weeklong workshops cost \$1000 - \$1300. OSU 3CH = \$1010 for OH res.
CPD 24 hrs cover	<ul style="list-style-type: none"> • Yes • CSI, homicide, miss per 	Depends – <ul style="list-style-type: none"> • On day/evening shifts • On duty vs. off duty affects tuition reimbursement 	<ul style="list-style-type: none"> • Difficult off duty • Only if no OSU enrollment • Detective may need reduced fee 	<ul style="list-style-type: none"> • 1 – 2 classes per week • Prefer once a week due to scheduling shifts 	<ul style="list-style-type: none"> • Parking cost on campus • Can't park off campus 4 – 6pm in city • 2nd shift usually busiest • Earlier or after 6 – 9pm 	<ul style="list-style-type: none"> • Only if people have a weekend shift 	<ul style="list-style-type: none"> • Accredited best • Law enforcement endorsed 	<ul style="list-style-type: none"> • Can't cost the same as a CH • Must include materials
FCCO 24 hrs cover	<ul style="list-style-type: none"> • Yes • Death investigators • Morph techs • Pathologists? 	No – <ul style="list-style-type: none"> • No time off given • Would be taken on off days 	<ul style="list-style-type: none"> • Could get credit • Depends on work sched to class times 	<ul style="list-style-type: none"> • Longer better 	<ul style="list-style-type: none"> • Better in evening • Depends on work sched 	<ul style="list-style-type: none"> • No 	<ul style="list-style-type: none"> • Cost • Time to complete 	<ul style="list-style-type: none"> • All or part online
SAR K9 Highly variable	<ul style="list-style-type: none"> • Yes • Handlers • Support staff (comms, GPS) 	<ul style="list-style-type: none"> • Volunteers – maybe • Agency – maybe 	<ul style="list-style-type: none"> • Determined by BCI • Or if agency say ok 	<ul style="list-style-type: none"> • 5 day class (40 face hrs) 	<ul style="list-style-type: none"> • Possibly 	<ul style="list-style-type: none"> • Agency – no • Volunteers – yes 	<ul style="list-style-type: none"> • Cost for volunteers • Fiscal year funding cycle for agencies 	<ul style="list-style-type: none"> • Online ahead of hands on

Appendix 2

Course List: FORENSIC ANTHROPOLOGY Certificate Type – UG 1a; UG 1b; Credit hours – 16 hours

Class #	Title	Description	CH	Req Core Elec	Pre-reqs	Open	# seats / Fa 2019 enrollment
ANTHROP 2200/H	Introduction to Physical Anthropology	A scientific examination of humans as a biological and cultural organism based on primate evolution from living and fossil evidence; evolutionary theory and population adaptability. This course includes laboratory activities.	4	R	Biol 1100 or equivalent	Fall, Spring & Summer	100's
ANTHROP 5607	Human Osteology	Study of human skeletal anatomy.	3	R	2200/or perm	Fall	35 /29
ANTHROP 5644	Forensic Anthropology	Application of osteological and bioarchaeological methods in forensic science.	3	R	2200/5607/ or perm	Fall & Spring	30 /12
ANTHROP 5686	Practical Training in Forensic Anthropology	Hands-on Forensic Anthropology course covering crime scene processing, evidence collection, and case development for testimony in court. Students process indoor and outdoor crime scenes where foul play is suspected to have occurred and then learn about expert testimony.	3	R	None	Fall	20 /13
ANTHROP 3504	Introduction to Anatomy	Covering the foundations of human gross (macroscopic) anatomy. Use a systems approach to explore the major structures of the integumentary, skeletal, muscular, nervous, endocrine, circulatory, respiratory, digestive, urinary, and reproductive systems.	3	E	None	Fall	50 /44
ANTHROP 5608	Skeletal Biology	A survey of bone biology, including histogenesis, histomorphology, and physiology of bone; topics include bone structure, growth and development, physiology, and anthropological applications.	3	E	2200/5607/ or perm	Fall ¹	No data
ANTHROP 5610	Bioarchaeology	Study of human remains from archaeological settings, with emphasis on relationship between biology, culture, health, and behavior.	3	E	2200/or perm	Fall ²	25 /17

¹ Coming Fall 2020

² Changing to Spring in 2021

Appendix 3

Sample Program

FORENSIC ANTHROPOLOGY Certificate

Type – UG 1a; UG 1b

Credit hours – 16 hours

Class	Title	Example semester	Credit hours – running total
ANTHROP 2200 (in person or online)	Intro to physical	Fall 2020	4
ANTHROP 5686	Practical Training in Forensic Anthropology	Fall 2020 or Fall 2021	7
ANTHROP 5607	Human Osteology	Fall 2021	10
ANTHROP 5644	Forensic Anthropology	Fall 2021 or Spring 2022	13
ANTHROP 5608 OR ANTHROP 5610	Skeletal Biology Bioarchaeology	Fall 2021 OR Spring 2022	16

**APPENDIX 4
COLLEGE OF ARTS AND SCIENCES
COMPLETION SHEET**

TYPE 1A & 1B FORENSIC ANTHROPOLOGY CERTIFICATE (FORANTH-CRT)

STUDENT NAME: _____

STUDENT OSU EMAIL: _____

CERTIFICATE ADVISOR NAME: _____

REQUIRED CORE COURSES (13 HOURS)

Course (Hours)	Course Grade	Term Completed
ANTHROP 2200: Physical Anthropology (4)		
ANTHROP 5607: Human Osteology (3)		
ANTHROP 5644: Forensic Anthropology (3)		
ANTHROP 5686: Training in Forensic Anthropology (3)		

ELECTIVE COURSES (3 HOURS)

In addition, students will select one more course (3 credits) from among those listed below.

Course (Hours)	Course Grade	Term Completed
ANTHROP 3504: Introduction to Anatomy (3)		
ANTHROP 5608: Skeletal Biology (3)		
ANTHROP 5610: Bioarcheology (3)		

SUBSTITUTIONS APPROVED: _____

CERTIFICATE ADVISOR SIGNATURE _____

DATE _____

**APPENDIX 5
ADVISING SHEET**

**COLLEGE OF ARTS AND SCIENCES
THE OHIO STATE UNIVERSITY**

TYPES 1A & 1B FORENSIC ANTHROPOLOGY CERTIFICATE (FORANTH-CRT)

Forensic Advisor: Jules Angel, 4100, Smith Labs, 174 W18th Avenue, Columbus OH 43210; 614-247-8634; angel.29@osu.edu

The 16 credit hour Forensic Anthropology Certificate introduces students to the methods, practices, and ethical considerations surrounding osteological and bioarchaeological analyses as they pertain to forensic enquiry. Emphasis is on a hands-on approach to the field, with core classes structured around applied teaching with real human remains, and a replica excavation.

Required core course (13 credits):

- **ANTHROP 2200:** Physical Anthropology (4)
- **ANTHROP 5607:** Human Osteology (3)
- **ANTHROP 5644:** Forensic Anthropology (3)
- **ANTHROP 5686:** Practical Training in Forensic Anthropology (3)

Elective courses (3 credits):

In addition, students will select one more course (3 credits) from those listed below.

- **ANTHROP 3504:** Introduction to Anatomy (3)
- **ANTHROP 5608:** Skeletal Biology (3)
- **ANTHROP 5610:** Bioarchaeology (3)

Prerequisites:

- **ANTHROP 2200:** Biol 1100 or equivalent
- **ANTHROP 5607:** 2200 or permission
- **ANTHROP 5644:** 2200/5607/or permission
- **ANTHROP 5686:** none
- **ANTHROP 3504:** none
- **ANTHROP 5608:** 2200/5607/or permission
- **ANTHROP 5610:** 2200/or permission

The following guidelines govern the Forensic Anthropology Certificate.

Required for certificate: Yes.

Credit hours required: Minimum of 16 credits.

Overlap with courses in degree:

- The certificate must be in a different subject than the major.
- Max 50% overlap with courses in a degree program (i.e., major, minor, other certificate, or GE).

Grades required:

- Minimum C- for a course to be listed on the certificate.
- Minimum 2.00 cumulative point-hour ratio, C Grade, required for the certificate.

X193 credits: Not permitted.

Certificate Completion: If the certificate is not complete on the Degree Audit Record (DAR), the student must consult with the College of Arts and Sciences Anthropology Advisor.

Filing the certificate program form: The certificate program form must be filed at least by the time the graduation application is submitted to a college/school advisor.

Changing the certificate: Once the certificate program is filed in the college office, any changes must be approved by the College of Arts and Sciences Forensic Advisor.

Anthropology advisor:

Dr. Karen Royce, 4078, Smith Laboratory, 174 W 18th Avenue, Columbus, OH 43210 Royce.6@osu.edu

Forensic advisor:

Dr. Jules Angel, 4100, Smith Laboratory, 174 W 18th Avenue, Columbus, OH 43210 Angel.29@osu.edu