

**ANTHRO 19 Course Outline as of Spring 2022****CATALOG INFORMATION**

Dept and Nbr: ANTHRO 19 Title: FORENSIC ANTHROPOLOGY

Full Title: Forensic Anthropology

Last Reviewed: 4/25/2022

Units	Course Hours per Week		Nbr of Weeks		Course Hours Total	
Maximum	3.00	Lecture Scheduled	3.00	17.5	Lecture Scheduled	52.50
Minimum	3.00	Lab Scheduled	0	6	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	3.00		Contact Total	52.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 105.00

Total Student Learning Hours: 157.50

Title 5 Category: AA Degree Applicable

Grading: Grade or P/NP

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly:

**Catalog Description:**

Introduction to the field of forensic anthropology. Emphasis will be placed on the techniques used to assess age, sex, ancestry, trauma, pathology, and cause of death from the human skeleton within a medico-legal context. This course will examine the role of the anthropologist in crime scene investigations.

**Prerequisites/Corequisites:****Recommended Preparation:**

Eligibility for ENGL 1A or equivalent and Course Completion of ANTH 1 ( or ANTHRO 1)

**Limits on Enrollment:****Schedule of Classes Information:**

Description: Introduction to the field of forensic anthropology. Emphasis will be placed on the techniques used to assess age, sex, ancestry, trauma, pathology, and cause of death from the human skeleton within a medico-legal context. This course will examine the role of the anthropologist in crime scene investigations. (Grade or P/NP)

Prerequisites/Corequisites:

Recommended: Eligibility for ENGL 1A or equivalent and Course Completion of ANTH 1 ( or ANTHRO 1)

Limits on Enrollment:

Transfer Credit: CSU;UC.

Repeatability: Two Repeats if Grade was D, F, NC, or NP

### **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>		Effective:	Inactive:
	C	Natural Sciences	Fall 2017	
<b>CSU GE:</b>	<b>Transfer Area</b>		Effective:	Inactive:
	B2	Life Science	Fall 2017	
<b>IGETC:</b>	<b>Transfer Area</b>		Effective:	Inactive:
	5B	Biological Sciences	Fall 2017	
<b>CSU Transfer:</b>	Transferable	Effective:	Fall 2017	Inactive:
<b>UC Transfer:</b>	Transferable	Effective:	Fall 2017	Inactive:

### **CID:**

### **Certificate/Major Applicable:**

Major Applicable Course

### **COURSE CONTENT**

#### **Student Learning Outcomes:**

At the conclusion of this course, the student should be able to:

1. Utilize anthropological methods to estimate an individual's sex, age, ancestry, trauma, pathology, and cause of death from their skeletal remains.
2. Demonstrate familiarity with the role and responsibilities of forensic anthropologists in the investigative process.

#### **Objectives:**

Upon completion of this course, students will be able to:

1. Identify the major bones of the body.
2. Estimate sex using the human skeleton.
3. Assess age-at-death of an individual using skeletal and dental markers.
4. Estimate ancestry from the human skeleton.
5. Recognize common skeletal pathologies and trauma.
6. Differentiate among pre-, peri-, and post-mortem skeletal injuries.
7. Discuss the relevance of forensic anthropology to crime scene investigations.

#### **Topics and Scope:**

- I. Human osteology
- II. Human odontology
- III. Sex determination techniques
- IV. Age assessment techniques
- V. Ancestry estimation techniques
- VI. Pathology
- VII. Trauma and injury

- VIII. Cause of death
- IX. Minimum and maximum number of individuals
- X. Logistics of crime scene analysis
- XI. Role of forensic anthropologist in medico-legal contexts
- XII. Review of well-known forensic anthropology case studies
- XIII. Ethical considerations in forensic anthropology

**Assignment:**

- 1. Reading assignments (between 15 and 50 pages per week).
- 2. Writing assignments (1500-3000 word count) include occasional short-answer and essay responses based on homework reading.
- 3. Weekly problem-solving reports and/or skills demonstrations with lab models or specimens in class.
- 4. Two to four quizzes or exams, which can include multiple choice, true/false, matching items, short answer, essays, and the identification of three-dimensional specimens.

**Methods of Evaluation/Basis of Grade:**

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Short answer and essay responses to assigned homework readings and questions	Writing 10 - 15%
<b>Problem Solving:</b> Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.	
Reports based on forensic anthropology cases	Problem solving 10 - 15%
<b>Skill Demonstrations:</b> All skill-based and physical demonstrations used for assessment purposes including skill performance exams.	
Identification, measurement, and assembly of skeletal casts, bone and 3-dimensional models	Skill Demonstrations 30 - 40%
<b>Exams:</b> All forms of formal testing, other than skill performance exams.	
Multiple choice, true/false, matching items, short answer, and essays	Exams 30 - 40%
<b>Other:</b> Includes any assessment tools that do not logically fit into the above categories.	
None	Other Category 0 - 0%

**Representative Textbooks and Materials:**

Introduction to Forensic Anthropology (4th). Byers, Steven N. Routledge: 2016

Forensic Anthropology: Current Methods and Practice (1st). Christensen, Angi M., Nicholas V. Passalacqua, and Eric J. Bartelink. Elsevier Academic Press: 2014

The Human Bone Manual. White, Tim D. and Pieter A. Folkens. Elsevier Academic Press: 2005 (Classic)