ANT 428: Human Paleopathology

In Workflow

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28. PeopleSoft (none)

Approval Path

   Daniel Case (dtcase): Approved for 16SOC UG Director of Curriculum
2. Sat, 28 Nov 2015 18:48:00 GMT
   Thomas Shriver (teshrive): Approved for 16SOC GR Director of Curriculum
3. Wed, 24 Feb 2016 18:10:30 GMT
   Daniel Case (dtcase): Approved for dtcase
   William Smith (wrs): Approved for 16SOC UnderGrad Head
5. Thu, 24 Mar 2016 19:18:31 GMT
   William Smith (wrs): Approved for 16SOC Grad Head
   Jeffrey Despain (despain): Approved for CHASS CC Coordinator UG
7. Tue, 13 Sep 2016 18:30:45 GMT
   Jeffrey Despain (despain): Approved for CHASS CC Meeting UG
8. Tue, 13 Sep 2016 20:30:17 GMT
   David Austin (david_austin): Approved for CHASS CC Chair UG
   Hope Ziglar (hope_ziglar): Approved for CHASS Final Review UG
10. Tue, 27 Sep 2016 15:45:46 GMT
New Course Proposal

Date Submitted: Mon, 16 Nov 2015 04:30:38 GMT

Viewing: ANT 428/ANT 528 : Human Paleopathology
Changes proposed by: cajuarez

Change Type
Major

Course Prefix
ANT (Anthropology)

Course Number
428

Dual-Level Course
Yes

Dual-Level Course Number:
528

Cross-listed Course
No

Title
Human Paleopathology

Abbreviated Title
Human Paleopathology

College
College of Humanities and Social Sciences

Academic Org Code
Sociology (16SOC)

CIP Discipline Specialty Number
45.0201

CIP Discipline Specialty Title
Anthropology.

Term Offering
Spring Only

Year Offering
Offered Alternate Even Years

Effective Date
Spring 2017

Previously taught as Special Topics?
Yes

Number of Offerings within the past 5 years
2

<table>
<thead>
<tr>
<th>Course Prefix/Number</th>
<th>Semester/Term Offered</th>
<th>Enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 495/ 595</td>
<td>Spring 2014</td>
<td>22</td>
</tr>
<tr>
<td>ANT 495/595</td>
<td>Spring 2013</td>
<td>14</td>
</tr>
</tbody>
</table>

Course Delivery
Face-to-Face (On Campus)

Grading Method
Graded with S/U option

Credit Hours
3

Course Length
16

weeks
Contact Hours
(Per Week)

Component Type | Contact Hours
----------------|-------------
Lecture         | 3

Course Attribute(s)

Course Is Repeatable for Credit
No

Instructor Name
Chelsey Juarez

Instructor Title
Assistant Professor

Grad Faculty Status
Assoc

Anticipated On-Campus Enrollment

Open when course_delivery = campus OR course_delivery = blended OR course_delivery = flip

<table>
<thead>
<tr>
<th>Enrollment Component</th>
<th>Per Semester</th>
<th>Per Section</th>
<th>Multiple Sections?</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture</td>
<td>24</td>
<td>24</td>
<td>No</td>
<td>This is a lab based class and is limited by lab space.</td>
</tr>
</tbody>
</table>

Course Prerequisites, Corequisites, and Restrictive Statement

Prerequisite: ANT 251

Is the course required or an elective for a Curriculum?
Yes

Which Curricula are Affected?

<table>
<thead>
<tr>
<th>SIS Program Code</th>
<th>Program Title</th>
<th>Required or Elective?</th>
</tr>
</thead>
<tbody>
<tr>
<td>16anthba</td>
<td>BA in Anthropology</td>
<td>Elective</td>
</tr>
</tbody>
</table>

Catalog Description

Survey of diseases that manifest on the human skeleton. Analysis and identification of these diseases from a clinical perspective through all life stages from radiographic analysis, macroscopic analysis, and photographic analysis.

Justification for new course:

When approved, ANT 428 will fill a current gap in the General Anthropology undergraduate curriculum by providing a subfield course that covers a clinical approach to disease identification in bone. ANT428 will complement, without repeating, material and ideas presented in existing anthropology offerings that focus on the human skeleton (e.g. human osteology, bioarchaeology, disease and society, skeletal biology). Students will learn how to interpret disease on bone from a clinical perspective (rather than a descriptive one). It will provide a set of substantive skills to explore bioarchaeological data, methods, and interpretations. This class is important because it will provide a tangible skill that both undergraduate and graduate students can apply to their research. In the past two years a number of our graduate students have utilized the information from this course in their masters theses. There is no other course either within this department or outside of it that covers the same material or that takes a clinical approach to bone disease through time.

Does this course have a fee?
No

Is this a GEP Course?
No
Consultation

Instructional Resources Statement

The instructor is a recently hired assistant professor and this course will be part of her normal teaching rotation. Therefore, no new resources are required.

Course Objectives/Goals

The goal of this course is to provide students with a structural and evolutionary framework from which to analyze and identify diseases of the human skeleton and their associated genetic, biological and cultural causes and components. This course will focus on the boundaries of clinical diagnosis from skeletal material.

Student Learning Outcomes

By the end of the class, students will be able to:

1. Explain the difference in boney response to disease (bone growth, bone removal, combination of both);
2. Explain the progression of major osteological disease including infectious disease, cancer, metabolic disorders, genetic disorders, disorders of growth and development, and nutritional diseases;
3. Describe the etiology for any of these identified diseases;
4. Frame the role of culture and history in the spread and treatment of these conditions.

Student Evaluation Methods

<table>
<thead>
<tr>
<th>Evaluation Method</th>
<th>Weighting/Points for Each</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quizzes</td>
<td>90/300</td>
<td>Quizzes will be multiple choice and short answer there will be 3 quizzes worth 30 points each. Final exam multiple choice and short answer There will be five labs. Labs will be in class with specimens, all questions will be provided</td>
</tr>
<tr>
<td>Test</td>
<td>135/300</td>
<td></td>
</tr>
<tr>
<td>Lab assignments</td>
<td>75/300</td>
<td></td>
</tr>
</tbody>
</table>

Topical Outline/Course Schedule

<table>
<thead>
<tr>
<th>Topic</th>
<th>Time Devoted to Each Topic</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intro/Bone Biology/Human Osteology</td>
<td>3 weeks</td>
<td>Lecture and readings; Human Osteology Lab</td>
</tr>
<tr>
<td>Transition Analysis</td>
<td>1 week</td>
<td>Lecture and readings; Transition analysis lab</td>
</tr>
<tr>
<td>Joint Dx/ Infectious Dx</td>
<td>2 weeks</td>
<td>Lecture and readings; Infectious disease lab</td>
</tr>
<tr>
<td>Metabolic Dx / Trauma</td>
<td>3 weeks</td>
<td>Lecture and readings; Quiz 1; trauma lab; Quiz 2</td>
</tr>
<tr>
<td>Cancer and Tumors /Growth and Development</td>
<td>2 weeks</td>
<td>Lecture and readings</td>
</tr>
<tr>
<td>Dentition and Dental Dx / Soft Tissue Dx</td>
<td>2 weeks</td>
<td>Lecture and readings</td>
</tr>
<tr>
<td>Introduction to Hazard Analysis / Review</td>
<td>2 weeks</td>
<td>Lecture and readings; Quiz 3</td>
</tr>
<tr>
<td>Final exam</td>
<td>1 week</td>
<td>Lecture and readings; hazard analysis lab</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Final exam</td>
</tr>
</tbody>
</table>

Syllabus

ANT_428_528_final.pdf

Additional Documentation

Additional Comments

See syllabus for additional graduate student expectations.

minosbis 12/9/2016: Student learning outcomes should begin with stronger action verbs, not "identify." There should be at least one learning outcome specific to graduate students to indicate difference in undergraduate and graduate levels of the course. Edit student learning outcomes. Do graduate students have additional assignment requirements, or just the readings?

ABGS Reviewer Comments:
-No comments/concerns

Course Reviewer Comments

n51ls801 (Tue, 13 Sep 2016 20:29:52 GMT): "Labs can not be made up, but students with valid excuses will not be penalized." - Could a student miss all labs and pass? Graduate students have additional readings to do. It is merely implied that they will have different tests covering all readings. Disability accommodation statement needs revision. Required PRR URLs missing from syllabus.

cajuarez (Tue, 27 Dec 2016 03:32:34 GMT): Action words were changed. Graduate syllabi and undergraduate syllabi were uploaded to show the differences in work load between undergraduate and graduate versions of the course.

Key: 8509