

PROPOSAL SUMMARY AND ROUTING FORM

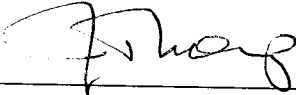
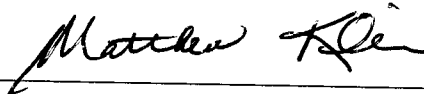
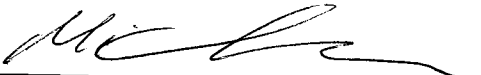
Proposal Title: Forensic Anthropology 390

Initiating Unit or Individual: Anthropology

Contact Person's Name: Krishnakali Majumdar e-mail: kali@ferris.edu phone: 2756

Date or Semester of Proposal Implementation: Spring 2008

- Group I - A – New degree/major or major, or redirection of a current offering
- Group I - B – New minors or concentrations
- Group II - A – Minor curriculum clean-up and course changes
- Group II - B – New Course
- Group III - Certificates
- Group IV – Off-Campus Programs

Group/Individual	Signature	Date	Vote/Action *
Program or Academic Unit Faculty			<input type="checkbox"/> Support <input type="checkbox"/> Support with Concerns <input type="checkbox"/> Not Support
Department Faculty	JA		<input type="checkbox"/> Support <input type="checkbox"/> Support with Concerns <input type="checkbox"/> Not Support
Department Head			<input checked="" type="checkbox"/> Support <input type="checkbox"/> Support with Concerns <input type="checkbox"/> Not Support
College Curriculum Committee			<input checked="" type="checkbox"/> Support <input type="checkbox"/> Support with Concerns <input type="checkbox"/> Not Support
Dean		2/27/07	<input checked="" type="checkbox"/> Support <input type="checkbox"/> Support with Concerns <input type="checkbox"/> Not Support
University Curriculum Committee			<input type="checkbox"/> Support <input type="checkbox"/> Support with Concerns <input type="checkbox"/> Not Support
Senate			<input type="checkbox"/> Support <input type="checkbox"/> Support with Concerns <input type="checkbox"/> Not Support
Academic Affairs			<input type="checkbox"/> Support <input type="checkbox"/> Support with Concerns <input type="checkbox"/> Not Support

*Support with Concerns or Not Support must include a list of concerns.

**Vote counts are to be shown for faculty group actions. "X" for administrative actions.

To be completed by Academic Affairs

 President (Date Approved) Board of Trustees (Date Approved) President's Council (Date Approved)

REC'D FEB 28 2007

TEMPLATE FOR NEW COURSE PROPOSALS

COURSE PREFIX, NUMBER AND TITLE:

CURRENT DATE:

STUDENT LEARNING OUTCOMES FOR PROPOSED COURSE

1. Understand the role of anthropology plays in the forensic sciences and legal investigations,
2. Learn the basic principles of the methods used by forensic anthropologists to identify human remains. Establish the identity (biological) profile of unknown individuals from the skeleton (decomposed, mummified, burned, or otherwise unrecognizable bodies)--age at death, sex, stature (height), ancestry, pathology; also includes time since death estimations and skeletal trauma analyses to determine the manner of death.
3. Gain knowledge about how to locate, excavate and examine human remains
4. Become familiar with the problems and controversies associated with evidence collection, preservation, and presentation of evidence.
5. Become aware of human rights violations and political issues in references to mass disaster and crimes against humanity.

EVALUATION OF STUDENT ACHIEVEMENT

1. Library assignment is designed to introduce students to the role of anthropology and anthropological methods in forensic sciences.
2. Every week there will be a short 15 minute quiz before the class begins. Weekly quizzes are intended to underscore and review the information and its applications in the field of forensic anthropology.
3. There will be three examinations during the semester. The first examination will assess students' basic understanding of forensic anthropology and its methods. The second examination will cover forensic archeology and its applications. The third examination will highlight the problems and controversies associated with evidence collection, preservation, and presentation of evidence.
4. There will 5 Laboratory assignments during the semester. The laboratory sessions will entail developing a biological profile for unknown human remains. Each session will cover a different aspect of the profile--age at death, stature, ancestry, gender, or any identifiable anomaly etc.
5. Class Participation will facilitate critical and reflective thinking about scientific methods and its application by human beings.

The grade for the course will be based on individual performances on weekly quizzes (20%), exams (30%) and other assignments (30%). Furthermore, attendance and class participation will count towards 20% of the final grade.

COURSE EVALUATION STRATEGIES (How will course successes be measured?)

The method for course evaluation will involve a class session following any examinations, devoted to going over the exam answers and receiving feedback from students about their interpretation of questions. This class session will highlight how each of the questions was devoted to particular objectives of the text chapters covered and objectives for the course. With this an inventory is produced for each examination, the questions are classified as difficult, challenging, confusing or simply bad. The questions that are deemed confusing or bad are tossed out and recommendations are elicited from students for making those questions more understandable and challenging. Overall, the feedback sessions following examinations are geared towards

evaluating whether or not the achievement of students were consistent with course and section (if the course is divided into sections) objectives and goals. Midterm evaluations will be conducted where the students assess the student learning outcome and their own achievement. Students are also asked to rate their own achievement for the course as compared to the grade received and argue for their own evaluation.

According to current College of Arts and Sciences policy, the department head may be required to identify a course that will not be offered in the semester the new course is first offered.

Notes:

1. Proposal Summary

With the continuing popularity of *CSI* and other forensic programs on television and in the popular print media, more students want to pursue careers in forensics. Currently, Ferris State University offers a Bachelor of Science Degree in Applied Biology with a concentration in Forensic Science. The forensic biology degree offers solid foundation of biology and chemistry, with unique core courses in forensic biology, forensic chemistry, forensic human pathology and forensic DNA analysis. What is lacking are the human social and cultural aspects of forensics which I propose to teach in this new course, Forensic Anthropology. This course will introduce students to the essentials of forensic anthropology and explore archeological techniques used to search for and recover evidence from a variety of crime scenes as well as apply skeletal analysis and ethnographic methods to reconstruct the life history of the human victims. The target audience for this course will be undergraduate students interested in applied biology and criminal justice.

2. Summary of All Course Action Required*

a. Newly Created Courses to FSU:

Prefix	Number	Title
Anth	390	Forensic Anthropology

b. Courses to be Deleted From FSU Catalog:

Prefix	Number	Title
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c. Existing Course(s) to be Modified:

Prefix	Number	Title
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d. Addition of existing FSU courses to program

Prefix	Number	Title
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e. Removal of existing FSU courses from program

Prefix	Number	Title
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*Contact Senate Secretary or UCC Chair if spaces for additional courses are needed.

NEW COURSE INFORMATION FORM

Course Identification:

ANTH 390 Forensic Anthropology

Course Description:

This course will introduce students to the essentials of forensic anthropology and explore archeological techniques used to search for and recover evidence from a variety of crime scenes, as well as apply skeletal analysis and ethnographic methods to reconstruct the life history of the human victims. The focus of the course will be to apply skeletal and biological principles and techniques to the positive identification of skeletal and badly decomposed human remains. A major portion of the course will be devoted to details in understanding the human skeleton to estimate the age, sex, race/ethnicity and stature to identify unknown individuals from skeletal remains. Additional emphasis will be given to the various effects on the bone from outside influences during the antemortem, perimortem and postmortem interval and to determine cause and manner of death based upon various forms of trauma as evidence on the human skeleton.

Course Outcomes:

Students will become competent in:

- 1) bone identification and analysis
- 2) Creating a biological profile (human or non-human, age, sex, race/ethnicity, and stature)
- 3) interpreting taphonomic factors, and skeletal trauma.
- 4) archaeological techniques in search and recovery of any forensic scene,
- 5) ethical guidelines currently in place in the discipline of forensic anthropology.

Course Outline including Time Allocation:

Week I	Introduction to Forensic Anthropology and History of forensic anthropology
Week II	The Human Skeleton: Basics
Week III	The Forensic context (Human vs Non-human)
Week IV	Bone as Tissue
Week V	The Skull and Teeth, human remains in Lab
Week VI	The Post-cranial skeleton
Week VII	Attribution of Sex and Ancestry
Week VIII	Estimation of Age
Week IX	Calculation of Stature
Week X	Forensic archaeology
Week XI	Time since death
Week XII	Cause and manner of death
Week XIII	Trauma analysis
Week XIV	Timing of Skeletal trauma: antemortem, perimortem and postmortem
Week XV	Forensic Image Analysis
Week XVI	Positive Identification, DNA based ID from bone

How will the course be taught and assessed ?

The course will be delivered in a variety of traditional and innovative ways - including lectures, Laboratory assignments, study exercises, films, mock excavations, student presentations and guest lectures. Recovery methodologies will be addressed through mock excavations. Mid term and final examinations will have both a written and a laboratory component.

CURRICULUM CONSULTATION FORM

To be completed by each department affected by the proposed change, new degree, new program, new minor, or new course. Potential duplication of coursework is reason for consultation.

1. This form, with the first six blanks filled in, should be forwarded with the proposal to the chair/head of the affected department.
2. The affected department must respond within 20 calendar days of receipt of this form to insure inclusion in the final proposal. The completed form is returned to the initiator and inserted into the proposal. Failure to respond is interpreted as support for the proposal.
3. The Proposing Department must respond to any concerns by the affected department. This response will be in writing and be included in the proposal following the consultation form.

RE: Proposal Title New Course: ANTH 390 Forensic Anthropology

Initiator(s): Krishnakali Majumdar

Proposal Contact: John Thorp **Date Sent:** 5/2/06

Department: Social Sciences **Campus Address:** ASC 2108
(Please print)

Responding Department : Biology

Chair/Head/Coordinator: Phil Watson **Date Returned:** 12/9/06

Based upon department faculty review on 12/9/06 (date), we

- Support the above proposal. *see attached*
- Support the above proposal with the modifications and concerns listed below.
- Do not support the proposal for the reasons listed below.

Comment regarding the impact this proposal has on scheduling, room assignments, faculty load, and prerequisites for your department. Use additional pages, if necessary.

From: Phillip L Watson/FSU
Recipients: John P Thorp/FSU@FERRIS, Krishnakali Majumdar/FSU@Ferris
Subject: Re: Forensic Anthro
Date: 09:29:08 AM Today

Dear John

I have looked over the Forensic Anthropology proposed course and I noticed two things. One, it partly resembles a current biology course Biol307 Human Pathology which also deals with bones in a forensic sense. Second there is a minor typo on the last line of the catalog description.

I do like the "principles techniques used to search for and recover evidence..." and other parts of the proposed course. Upon full review of the course syllabus, the forensic biology tract would seriously consider adding this course to our list of electives.

Phil

Phillip L Watson PhD
Professor of Biology /
Coordinator Forensic Biology Program
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Big Rapids, Michigan USA 49307
1-231-591-2558 fax 1-231-591-2540

email watsonp@ferris.edu

Forensic homepage

http://www.ferris.edu/htmls/colleges/artsands/program_template.cfm?ProgramID=8

Watson's homepage

<http://www.ferris.edu/htmls/academics/course.offerings/physbo/biology/watson/watson'shomepage.htm>

Vietnam trip homepage

<http://www.ferris.edu/htmls/academics/course.offerings/physbo/biology/watson/international-vietnam.htm>

GENERAL EDUCATION APPROVAL FORM

Form G plus justification of the general education designation being sought should be sent to the General Education Coordinator (preferably electronically). The criteria for each designation can be found on the FSU web page: Home/Academics/General Education Requirements/Criteria.

Upon review the form below will be completed by the **University General Education Committee** for the courses that will meet General Education requirements. The form must be included in the proposal packet.

THE UNIVERSITY GENERAL EDUCATION COMMITTEE MUST ACT BEFORE PROPOSAL CAN BE FORWARDED TO THE UCC.

Course Prefix: ANTH **Course Number:** 390

Course Title : Forensic Anthropology **G. E. Codes Requested:** S

G.E. Codes: G=Global Consciousness; R=Race/Ethnicity/Gender Issues; S=Social Awareness; C=Cultural Enrichment; W=Writing Intensive; Z=Scientific Understanding

Initiator:Krishnakali Majumdar **Date Sent:** _____

Proposal Contact: John Thorp **Email:** Thorpi@ferris.edu

Department: Social Sciences **Campus Address:**ASC 2108
Please Print

University General Education Committee: Roxanne Cullen

Chair: _____ **Date Returned:** _____

Based upon University General Education Committee review on _____(date), we

Support the request to designate the course listed above as a _____(insert Gen. Ed. Designation(s).)

Do not support the request to designate the course listed above as a _____(insert Gen. Ed. Designation(s) for reasons listed below.

Comments:

CREATE A NEW COURSE

Course Date Entry Form

FORM F
Create Course
rev. 2/14/05

I. ACTION TO BE TAKEN: CREATE A NEW COURSE

Notes

1. Complete each item in section I and section II.
2. : If this course is to be used as a prerequisite for other university courses, Form Fs that reflect the prerequisite change must be submitted for those courses as well.

Term Effective: a. Semester Spring b. Year 2008 See instructions.

II. PROPOSED FOR NEW COURSE: Complete all sections of this part through Prerequisites. See instructions in manual for further clarification.

a. Course Prefix **ANTH** b. Number **390** c. Enter Contact Hours or check Independent Study (X).
 LECTure hr/week LAB hr/week INDEPENDENT Study
 Practicum: hr/semester Seminar: hr/week

d. Full Course Title: **Forensic Anthropology**

e. Abbreviated Course Title: **Forensic Anthropology**. (Abbreviate only if necessary. Use Arabic numerals. Limit to 26 characters and spaces.)

f. Semester(s) Offered: **Spring** (See instructions for listing.) g. Max. Section Enrollment: **20**

Credit Hours: Check (x) type and enter maximum and minimum hours in boxes.

h. Type: Variable Fixed i. Maximum Credit Hours **4** j. Minimum Credit Hours **4**

k. Grade Method: Check (x) Normal Grading Credit/No Credit only (Pass/Fail)

m. May Be Repeated for Added Credit: Check (x) Yes No

n. Levels: Check (x) Undergraduate Graduate Professional

o. Does proposed new course replace an equivalent course? Check (x) Yes No

p. Equivalent course: Prefix Number See instructions on Replacement courses.

q. CATALOG DESCRIPTION – Limit to 75 words – PLEASE BE CONCISE.

This course will introduce students to the essentials of forensic anthropology and explore anthropological principles techniques used to search for and recover evidence from a variety of crime scenes as well as reconstruct the life history of the human victims. The students will also learn to apply biological principles and techniques to the positive identification of unknown human remains and to determine their cause and manner of death.

r. Prerequisites: (if no prerequisites, write "None") Limited to 60 spaces. **Junior Standing**.

UCC Chair Signature/Date: _____

Academic Affairs Approval Signature/Date: _____

To be completed by Academic Affairs Office: - Standard & Measures Coding and General Education Code

Basic Skill (BS) General Education (GE) Occupational Education (OC) G.E. Codes

Office of the Registrar use ONLY

Date Received: _____ Date Completed: _____ Entered: SIS [125 ___ 1D4 ___ 12R ___, 131 ___]

College of Arts and Sciences

February 27, 2007

**TO: Michael Harris, Vice President of Academic Affairs
Sandy Alspach, Chair, College Curriculum Committee**

FR: Matthew A. Klein, Dean *MAK*

RE: ANTH 390 – Forensic Anthropology

Enclosed for your information is the proposal for ANTH 390 – Forensic Anthropology which I have approved to be offered Fall 2007 by the Humanities Department.

Thank you.

**Cc: John Thorp
Valerie Greenfield**


OCT 30 2006

**DEPARTMENT OF SOCIAL SCIENCES
COLLEGE OF ARTS & SCIENCES
FERRIS STATE UNIVERSITY**

October 25, 2006

TO: Matthew Klein, Dean

FROM: John Thorp, Department Head



RE: Special Studies Course—ANTH 390 Forensic Anthropology

The anthropology faculty and I would like the attached course approved for possible offering during the 2007-2008 academic year.

This course is meant to amplify the social and cultural aspects of forensics to complement the solid foundation in chemistry and biology in the current forensics BS degree in applied biology.