Please type or select the requested information. Print completed forms, add appropriate paper attachments, and route through MSU's curricular process for recommendations and decisions.

<table>
<thead>
<tr>
<th>College: Social and Behavioral Sciences</th>
<th>Proposal #: 62</th>
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<tbody>
<tr>
<td>Department: Anthropology</td>
<td>Effective Date of Change:</td>
</tr>
<tr>
<td>Program: N/A</td>
<td>Academic Year: 05</td>
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<tr>
<td>Type of Change: COURSE PROPOSALS</td>
<td>(For Office Use Only)</td>
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<tr>
<td>Proposed: New Course</td>
<td>Course Designator and Number</td>
</tr>
<tr>
<td>Title Current:</td>
<td>ANTH 4/522</td>
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<tr>
<td>Title Proposed: Forensic Anthropology</td>
<td>Number of Credits: 3</td>
</tr>
<tr>
<td>24-Char. Abbrev: Forensic Anthropology</td>
<td>(if applicable)</td>
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</table>

Include a course or program description for the Bulletin (30-40 words maximum for courses, 100 for programs):
This course will acquaint students with the application of human osteological techniques in civil and criminal investigations, including assessment of the recovery scene, determination of identity and analysis of evidence relating to cause and manner of death.

**Rationale or Justification for change:**

ANTH 4/522 will explore in depth the applied discipline of forensic anthropology and its usage in medico-legal cases.

### For General Education or Cultural Diversity Courses Only

<table>
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<tr>
<th>GE Category #</th>
<th>GE Category Name (Maximum of 3 Categories)</th>
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For Writing Intensive Courses, attach a description of the kind and quantity of writing.

For Upper Division Courses, include a description of the respects in which it is broad and general rather than narrow and specific, and so suitable as GE.

Attach paper copies of the following:
- a. Syllabus or course outline.
- b. Course's student learning outcomes associated with each GE competency or CD designation.
- c. List of strategies to be used to assess students' achievement of each GE competency or CD designation.

### For New Courses

<table>
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<tr>
<th>Instructional Type: Lecture/Lab</th>
<th>Course will be offered:</th>
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<tr>
<td>√ Course is an elective.</td>
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<td>□ Course is required for program</td>
<td>□ Spring Semester</td>
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<tr>
<td>□ Pre- or Co-requisites:</td>
<td>□ Summer Session</td>
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</table>

ANTH 4/520 Human Osteology

If the course content is new, attach a complete syllabus or course outline.

If the course content is similar to courses in other departments, (Attach copy of letter of agreement with other program(s) contacted. Indicate the nature of the discussions and/or resolution of differences or potential conflicts.)

Attach paper copies of the following:
- a. Syllabus or course outline.
- b. Course's student learning outcomes.
- c. A list of resources required to offer and support this course.
- d. A description of how teaching this course will affect department staffing.
- e. If 400/500 level course, an explanation of added expectations of graduate students.
### For Program Proposals***

Attach paper copies of the following:

a. Student learning outcomes for the program.
b. Minutes from department and college curriculum meetings in which action was taken on this proposal.
c. Program Assessment Plan. Forms are available on the Academic Affairs Web site:
   
   ![http://www.mnsu.edu/acadaf/words/PRA_SampSLOAssessPlan.doc](http://www.mnsu.edu/acadaf/words/PRA_SampSLOAssessPlan.doc)

d. List of program requirements for New programs, or a list of Current and Proposed program requirements for Redesigned programs.
e. A list of resources required to offer and support this program.
f. A description of how offering this program will affect department staffing.
g. A list of additional library holdings required for this program.

Please include rationale for any proposed changes in number of program credits:

### For Programs Requiring MnSCU Approval***

If any of the following changes are proposed, please fill out and attach MnSCU Program Approval Forms, which are available on the Academic Affairs Web site:

![http://www.mnsu.edu/acadaf/html/currformsprocesses.htm](http://www.mnsu.edu/acadaf/html/currformsprocesses.htm)

1. Creation of an entirely new program.
2. Redesign of existing programs, which takes any of the following forms:
   
   - Addition or deletion of a program option. Options are part of program design in which 30-50% of the courses are required as part of a common core for all students, and which offers curriculum alternatives greater than 30% of the total number of credits in the major. Options are appropriate to baccalaureate or masters programs.
   - Addition or deletion of a program emphasis. Emphases are part of program design in which more than 50% of the courses are required as part of a common core for all students, and which offers curriculum alternatives with a minimum of nine credits. Emphases are appropriate to associate and baccalaureate programs.
   - Change in program name.
   - Change in program CIP #.
   - Change in TOTAL program credits.
   - Change in degree award. For example, changing a B.A. to B.S.
   - Creation of a new degree award in a related academic area. Examples include creation of a certificate program from an existing degree program, or a new degree program from an existing degree program (e.g., Art History BA from Art BA.)
3. Relocation of an existing program. This is a proposal to move an existing program from one site to be exclusively offered at another site, and requires closing the program offered at the original site. For example, a program offered both on-campus and through extended campus is to be offered only at the extended campus site.
4. Replication of an existing program. This is a proposal to offer an existing program at a new site, which may be an existing MnSCU-approved site, or another campus of the same institution. Replicated programs are offered at both the original site and the new location.
5. Suspension or reinstatement of a program. This proposal suspends admission of students into an existing program, and is good for three years. Reinstatement proposals request the reopening of student admissions into a given program.
6. Closure of a program. This proposal requests closure of an existing program and its from an institution's official inventory of academic programs. Unless a department seeks to re-open a suspended program, it should be closed within three years of suspension.
Minnesota State University, Mankato
Curriculum Proposal

***Signature Page***

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<th>Department</th>
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<td>UCAP Faculty Chair</td>
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<td>Faculty Association Graduate Chair</td>
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<td>Assistant Vice President</td>
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<tr>
<td>Sr. Vice President / Vice Pres. Academic Affairs</td>
<td>Date</td>
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Revised September 2002
Anthropology 422/522
Forensic Anthropology

Professor: Dr. Kathleen Blue
Office: Trafton N332
Phone: 389-6370
Office Hours: Mon. 1:00-3:00p; Tues. 11:00-12:00a, 1:00-3:00p; Wed. 10:00-12:00a, 1:00-2:00p; other times by appointment, please.
Email: kathleen.blue@mnsu.edu

Texts
*Introduction to Forensic Anthropology* by Steven N. Byers
*Forensic Anthropology Lab Manual*, by Steven N. Byers and Susan M. T. Myster

Course Objectives
This course will acquaint you with the techniques and methods used by osteologists and forensic anthropologists in civil and criminal investigations. Forensic anthropologists are interested in assessing the recovery scene, determining identity and ascertaining the possible cause of death. You will learn the properties and features of the human skeleton, as well as the use of these characteristics in the determination of age, sex, stature, presence of trauma or pathology, and other individuating characteristics.

Nature of the Course
The course will introduce the student to the techniques and methodology of forensic anthropology in both the field and the lab. In addition to lecture and discussion, the course will feature hands-on examination of human and animal bones and application of techniques. The course will consist of two exams and a final project, as well as bone quizzes and lab assignments.

Every attempt will be made to accommodate qualified students with disabilities. If you are a student with a documented disability, please see me as early in the semester as possible to discuss the necessary accommodations, and/or contact the Disability Services Office at (507) 389-2825 (V) or 1-800-627-3529 (MRS/TTY).

Course Requirements
1. Two exams (midterm and final)
2. Bone quizzes and lab assignments
3. Final project

Outline

1. What is forensic anthropology?
   - History of the discipline; methodology
   - Read Ch. 1 (Byers)
   - LAB: Review of Anatomical and Directional Terms
   - Bones: Review of Skull
II. Applications of forensic anthropology
   Individual remains
   Mass disasters
   Arson
   LAB: Quiz on skull

III. Is it a forensic case?
   Human vs. nonhuman
   Contemporary vs. Noncontemporary
   Read Ch. 3 (Byers)
   LAB: Review of axial bones

IV. Recovery Scene Methodology
   Locating remains
   Mapping remains
   Read Ch. 4 (Byers)
   LAB: Bone Quiz on axial bones

V. Recovery Scene Methodology
   Excavation
   Collecting remains
   LAB: Review of appendicular bones

VI. Determination of Time since Death
   Decomposition and skeletonization
   Read Ch. 5 (Byers)
   LAB: Bone quiz on appendicular bones

VII. Osteological Analysis
   Preserving and storing remains
   Maintaining the chain of evidence
   MNI and inventorrying
   Read Ch. 2 and 6
   LAB: Crime scene reconstruction

VIII. Determination of Sex
   Cranium
   Pelvis
   Other bones
   Read Ch. 8 (Byers)
   LAB: Sexing techniques

IX. Estimating Age at Death
   Adults
   Subadults
   Read Ch. 9 (Byers)
LAB: Aging techniques

X. Racial Attribution
   Anthroposcoptic traits
   Osteometric determination
   Read Ch. 7 (Byers)
   LAB: Bone quiz on sexing and aging techniques

XI. Cause and manner of death
    Bone biology
    Forces
    Ante-, peri- and post-mortem trauma
    Read Ch. 11 (Byers)
    LAB: Racial affiliation

XII. Trauma
     Blunt and Sharp Force Instruments
     Miscellaneous
     Read Ch. 13 and 14 (Byers)
     LAB: Quiz on racial affiliation

XIII. Projectile Trauma
      Ammunition and firearms
      Bony response
      Read Ch. 12 (Byers)
      LAB: Pathology and trauma

XIV. Pathology and other antemortem conditions; Postmortem bone
     Read Ch. 15 and 16 (Byers)
     LAB: Quiz on pathology and trauma

XV. Additional methods of determining identity
     Read Ch. 17 and 18 (Byers)
     LAB: Final project

XVI. Medicolegal reporting and courtroom testimony
     Read Ch. 19 (Byers)
     FINAL PROJECT due
Course: ANTH 422/522 Forensic Anthropology

Syllabus: See attached

Student Learning Outcomes:

Students will be able to

1) successfully apply the techniques and methodology of human osteology to the applied field of forensic anthropology
2) analyze and reflect on ethical aspects of the discipline as it relates to legal, social and scientific issues
3) understand the development of the discipline and its place within the forensic sciences
4) analyze and evaluate anthropological evidence in medicolegal cases

Resources required: No new resources are required. The department has sufficient lab and classroom space.

Staffing requirements: No new staff is required.

Graduate Level Expectations: Graduate students will be expected to work at a level commensurate with their educational stage. In addition to the stated coursework required of undergraduates, graduate students will complete an additional project and a paper.