NEW COURSE –OR– REVISION TO EXISTING COURSE PROPOSAL

Please use this form to: add a new course, or to revise the title or content of an existing course, including changes to co-requisite and pre-requisite unit values.

Before you proceed, please review the approval process in advance and leave time for each involved person or committee to review the proposal.

DATE: March 9, 2007
DEPARTMENT/SCHOOL: International Studies
CONTACT PERSON: Analiese Richard/Mary-Lou Tyler
PHONE: 62707/62815
BLDG & ROOM NO: George Wilson Hall

New Courses: Please complete this entire section (items 1-18)
Revisions to Courses: Please complete items 1-4 and only those items 5-18 that are being revised.

1. Please complete a. or b., not both.

a. New Courses:
   - Proposed Course Subject/Number/Title/Prerequisites/Units (e.g., HIST 035 : History of... : prerequisites - none : 4 units):

   For approval of new course numbers: Send the request to this email: registrar@pacific.edu. The request needs to include the department, the course title, and a suggested discipline & number. Please attach the email approving the new course number to this proposal.

b. Revision to Existing Course:
   - Anthropology/ANTH 112/Physical Anthropology/no prerequisites/4.0 units
   - Update course description

2. Please attach syllabus with all required elements, including course learning objectives, (see Faculty Handbook 11.7 for Syllabus requirements).

3. Please provide the copy as it is to appear in the catalog. This includes the course description, specific prerequisites, co-requisites, and any restrictions on registration (e.g., majors only). Note: Unless indicated here, a passing grade for a prerequisite course is considered a “D.”

CATALOG COPY:

A detailed examination of human origins and an evaluation of humanity’s place in the natural world. This course examines processes and principles of human evolution from an anthropological perspective, emphasizing the interaction between
biology and culture. Major topics include reproduction and genetics, human variation, primate studies, and the fossil record. After reviewing the basic tenets of the “anthropological perspective” and evolutionary science, the course examines micro and macro level processes of evolution, focusing on the origins and dispersal of our own species, Homo sapiens sapiens. Finally, the course evaluates the current state of human biocultural evolution, the significance of human diversity, and the role of humans in ongoing planetary processes of change and interaction.

DEGREE AUDIT INFORMATION

4. Does this course satisfy undergraduate General Education requirements?
   □ No  □ Yes  If yes, what area does it satisfy (e.g. IA)? IIC

5. Was this course ever offered under a Special Topics number?
   □ No  □ Yes  If yes, provide info below.

<table>
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<tr>
<th>Special Topics Subject/Course #</th>
<th>Last year taught</th>
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<tr>
<td>Course title</td>
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6. Does this course fulfill General Education or major requirements for your program?
   □ No  □ Yes  If yes, then what area/requirement does it fulfill? GE IIC for transfer students.

7. Does this course fulfill undergraduate minor requirements for your program?
   □ No  □ Yes  If yes, then what area/requirement does it fulfill (e.g. upper division elective)?

REGISTRATION INFORMATION

8. Units: 4.0

9. Grading options available to students who enroll (check all that apply):
   □ X Letter (A-F)  □ Pass/No Credit  □ X Audit

10. Schedule Type (check all that apply):
    □ X Lecture  □ Lab  □ Thesis/Doctoral Project  □ Activity Course
    □ Discussion  □ Seminar  □ Internship, Co-op, Fieldwork  □ Practicum
    □ Research/Independent Study  □ Applied Music  □ Studio Instruction  □ Correspondence
    □ On-line  □ Other

11. Expected Enrollment: 20-25

12. Is a special fee to be charged?
    □ X No  □ Yes  If yes, list the charge and fee code:
    □ Per unit  —or—  □ Flat fee

RELATIONSHIP TO OTHER COURSES
13. **Is this course** cross-listed with others?  
   [X] No  [□] Yes  
   If yes, which courses?  
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14. **Course Similarities**  
   a. **Is this course similar in content to course(s) in another school or department?**  
      [X] No  [□] Yes  
      If yes, which course(s)?  
      | Subject/Course # | Title |
      |------------------|-------|
      |                  |       |
      |                  |       |
      |                  |       |

   b. If yes, how is this course distinctive?

15. **Will other courses be deleted as a result of this proposal when this course is created?**  
    (Note: if course is still being taught in the future do not delete it here.)  
    [X] No  [□] Yes  
    If yes, which course(s)?  
    | Subject/Course # | Title |
    |------------------|-------|
    |                  |       |
    |                  |       |
    |                  |       |

16. **Is the deleted course cross-listed with other courses?**  
    [□] No  [□] Yes  
    If yes, which course(s)?  
    | Subject/Course # | Title |
    |------------------|-------|
    |                  |       |
    |                  |       |
    |                  |       |

17. **What is the anticipated impact on resources (e.g., faculty, funds, facilities, library, technology, etc.)**  
   None.

18. **Will University computer labs be needed?**  
    [X] No  [□] Yes  
    If yes, what software will be needed?

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**Please remember to make the corresponding changes to your program's catalog copy when you receive page proofs for next year's catalog.**
NEW COURSE –OR– REVISION TO EXISTING COURSE PROPOSAL
APPROVAL SHEET

DATE: March 9, 2007
DEPARTMENT/SCHOOL: International Studies
CONTACT PERSON: Analiese Richard/Mary-Lou Tyler
PHONE: 62707/62815
BLDG & ROOM NO: George Wilson Hall

Please obtain signatures in the order they appear below, as applicable.

1. ☐ DEPARTMENT CHAIR:
   Susan G Sample
   DATE: 4/3/07

2. ☐ CHAIRS OF OTHER INVOLVED DEPARTMENTS (if applicable):
   (Signatures needed for new courses and deletions)
   DATE: ______________

3. ☐ CHAIR, SCHOOL/COLLEGE CURRICULUM COMMITTEE:
   Susan G Sample
   DATE: 4/3/07

4. ☐ DEAN OF SCHOOL/COLLEGE:
   N/A
   DATE: 4/3/07

5. ☐ GENERAL EDUCATION COMMITTEE (if applicable):
   (Signature needed for new courses and deletions)
   DATE: ______________

6. ☐ DEAN OF THE LIBRARY:
   J. C. Newbara
   DATE: 4/17/07

7. ☐ DIRECTOR, EDUC. TECH. SERVICES (if computer lab, software needed):
   N/A
   DATE: ______________

8. ☐ GRADUATE STUDIES COMMITTEE (if applicable):
   N/A
   DATE: ______________

9. ☐ REGISTRAR:
   ______________
   DATE: 4/19/07

☐ ACADEMIC AFFAIRS COMMITTEE:
   DATE: ______________
PHYSICAL ANTHROPOLOGY
ANTH 112-01
University of the Pacific
Fall 2006

Professor Analiese Richard
(209) 946-2707
arichard@pacific.edu
Office Hours: MW 11:00-1:00 (and by appointment), GWH
Class Meets: MWF 2:00-3:20, WPC 134

COURSE DESCRIPTION

What does it mean to be human? This course examines processes and principles of human evolution from an anthropological perspective, emphasizing the interaction between biology and culture. Major topics of discussion will be genetics, human variation, primate studies, and the prehistoric fossil record. We will begin by reviewing the basic tenets of the “anthropological perspective” and evolutionary science. Next, we will examine micro and macro level processes of evolution, focusing on the origins and development of our own species, *Homo sapiens sapiens*. We will end by considering the current state of human biocultural evolution, the significance of human diversity, and the role of humans in ongoing planetary processes of change and interaction. Readings and assignments this semester have been designed to highlight the concept of natural selection in discussions of “human nature.”

COURSE GOALS

By the end of this course, students should be able to:

1) Explain how evolutionary processes work and locate humans within a biological continuum.
2) Discuss the importance of culture as an adaptive mechanism in human history.
3) Apply insights from points 1 and 2 to analyze the role of humans in creating and resolving contemporary environmental crises.
4) Grasp the social, cultural, and historical significance of human biological diversity.
5) Evaluate the significance of new scientific discoveries and technological innovations for the future of human biocultural evolution.
6) Demonstrate progress in developing the following skills necessary for higher learning:
   a) **Critical reading**: Moving beyond reading for information to critically evaluating the author’s assumptions, evidence, and arguments and putting the reading in conversation with other course material.
   b) **Written and Oral Communication**: Learning to construct and articulate clear arguments by logically marshalling evidence in support of a thesis.
   c) **Research Skills**: Gaining familiarity with library and online sources, as well as with the process of critically assessing the merits of different sources of information.
COURSE REQUIREMENTS

Readings:
The required text available at the university bookstore is:

Reserve Readings will be placed on E-Reserve on the library homepage. Bring your own copy of the Reserve Readings to class meetings.

Exams:
There will be two exams in this course, a midterm and a final. Together these exams will comprise 45% of your grade (20% midterm, 25% final). You will be tested on material from lectures, films, readings, discussions, and labs. The midterm will cover all material through Jurmain Ch. 6. The final will cover the remainder of the course. All exams must be completed on the day they are scheduled.

Labs:
There will be 4 in-class labs during the semester. Together, these labs will comprise 20% of your grade (5% each). Lab activities will be performed in groups. After each activity, students will be responsible for completing individual analysis worksheets. These lab worksheets will be due on the day of the class meeting immediately following the lab activity. Students will be assessed both on the quality of their participation in the lab activity and on the quality of their individual written work. Labs cannot be made up. NO late assignments will be accepted.

Group Project:
During the second week of class, students will be grouped into teams to work on a five-part, semester-long project. Each group will critically analyze a different popular science book concerned with the role of natural selection in human evolution. The books chosen for this project were all written by major science authors for popular consumption, were all best-sellers, and have all sparked controversy and public action. The end goal of this project is for students to understand the crucial and complex relationship between science and society, and to become savvy science users in the public sphere.

We will be analyzing the books on multiple levels, and presenting our work in a variety of ways.

Assignment 1: Basic Arguments/Concept of Natural Selection (due 9/27)
Assignment 2: Evidence and Scientific Reasoning (due 10/13)
Assignment 3: Scientific Narratives on Human Nature (due 11/03)
Assignment 4: Ideas with Legs: Social Contexts and Consequences (due 12/01)
Assignment 5: Rethinking Natural Selection in Human Societies

The group projects will count for 25% of your total course grade (5% for each assignment). Detailed instructions for each assignment will be handed out in class as indicated in the course schedule below. A record of each group member’s contribution must be turned in
with each assignment. All group members will receive the same grade for each assignment, unless discrepancies appear in the aforementioned record. No late assignments will be accepted. Please be aware that examples of your work may be saved for evaluating the course and program of which they are a part.

**Attendance and Participation:**
Attendance is mandatory. More than two absences or late arrivals will result in a reduction of the final course grade (1/2 letter grade per incident). Attendance and class participation will count for 100 points.

**RULES**

1. In-class work cannot be made up. No late assignments will be accepted.
2. No food should be consumed during class meetings.
3. Use of wireless devices is prohibited during all class meetings and exams.
4. All exams must be completed on the day scheduled. Should exceptional circumstances prevent this, it is YOUR responsibility to notify me IN ADVANCE to make appropriate arrangements.

**Honor Code:**
The University Honor Code is a crucial guarantee of academic integrity. It is a violation of the Honor Code to submit all or part of someone else's work or ideas as your own. If you violate the Honor Code, you will receive zero credit for the work. Violations of the Honor Code usually result in failure of the course. All Honor Code violations will also be reported to University administration, which may result in expulsion from the University. This expulsion would then appear on your UOP transcript. A complete statement of the Honor Code may be found in the Student Handbook, *Tiger Lore*, beginning on p. 43.

**Learning or Physical Disabilities:** If you need accommodations because of a certified learning or physical disability, you must contact Mr. Daniel Nuss, Coordinator of the Office of Services for Students with Disabilities in 101 Bannister to obtain an Accommodations Request Letter. Once you have obtained the letter, I will happily work with you to make appropriate arrangements to accommodate your needs. Please see me after class or in office hours.
COURSE OUTLINE

WHAT IS PHYSICAL ANTHROPOLOGY?

8/30: Course Introduction

9/01: Jurmain, Ch. 1
    Reserve Readings: Sagan

9/04: Labor Day- NO CLASS

MODERN EVOLUTIONARY THEORY

9/06: Jurmain, Ch. 2
    Group Assignment #1 Handed Out

9/08: Reserve Readings: Darwin (Williams)

9/11: Film: Darwin’s Dangerous Idea

9/13: Jurmain, Ch. 3
    Reserve Readings: Ridley

9/15: Reserve Readings: K. Brown, Hopkin, Greely

9/18: Jurmain, Ch. 4, pp. 64-72

9/20: Jurmain, Ch. 4, pp. 73-86

9/22: Lab 1: Population Genetics

MACROEVOLUTIONARY PROCESSES AND HISTORY

9/25: Jurmain Ch. 5, pp. 88-99
    Guest Lecture: Professor Greg Anderson, Biology Department

9/27: Jurmain, Ch. 5, pp. 99-108
    Group Assignment #1 Due, Assignment #2 Handed Out

9/29: Jurmain, Ch. 6
    Reserve Reading: Marks, Ch. 2

10/02: Lab 2: Primatology

10/04: Midterm Exam
BIOCULTURAL EVOLUTION OF HUMANS

10/06: Fall Break- NO CLASS

10/09: Jurmain, Ch. 7

10/11: Reserve Readings: Roughgarden, Marks Ch. 5

10/13: Reserve Readings: Lancaster, Haraway
      Group Workshop: Analyzing Scientific Narrative
      Group Assignment #2 Due, Group Assignment #3 handed out

10/16: Jurmain, Ch. 8

10/18: Reserve Readings: Tomasello, Dunbar

10/20: Film: Ape to Man

10/23: Jurmain, Ch. 9

10/25: Reserve Readings: McHenry and Coffing

10/27:

10/30: Jurmain, Ch. 10

11/01: Reserve Readings: Lieberman

11/03: Lab 3: Material Culture
      Group Assignment #3 Due, Assignment #4 Handed Out

11/06: Jurmain, Ch. 11

11/08: Reserve Readings: Harlan

11/10: Film: The Mind's Big Bang

11/13: Jurmain, Ch. 12

11/15: Film: Race- The Power of an Illusion

11/17: Group Work Day

11/20: Reserve Readings: Marks Ch. 3-4 (Duster, Fish)

11/22: Thanksgiving Holiday- NO CLASS
11/24: Thanksgiving Holiday - NO CLASS

11/27: Lab 4: DNA Sequencing

FUTURE POSSIBILITIES FOR BIOCULTURAL EVOLUTION

11/29: Jurmain, Ch. 14

12/01: Group Assignment #4 Due

12/04: Reserve Readings: Diamond, Pollan

12/06: Reserve Readings: L.Brown, Sen

12/08: Reserve Readings: Gore

12/11: Group Assignment #5 Due (Presentations)

12/13: Group Assignment #5 Due (Presentations)

12/15: Review for Final Exam

FINAL EXAM: Wednesday December 20, 12:00 p.m.