COURSE OUTLINE

SECTION I: COURSE INFORMATION

COLLEGE: Los Angeles Southwest College

SUBJECT TITLE: ANTHROPOLOGY

COURSE NUMBER (assigned by District Office): 101

COURSE TITLE: HUMAN BIOLOGICAL EVOLUTION

UNITS: 3

CATALOG COURSE DESCRIPTION — Provide a brief description of the course, including an overview of the topics covered:

This course offers a survey of past and present world cultures from the simpler hunting and gather societies to those of the complex industrial states. Emphasis will be upon the fossil evidence for man's evolution, his early culture, and the genetic and racial diversity in present day populations.

CLASS HOURS:

<table>
<thead>
<tr>
<th></th>
<th>Hours per week (for 18 weeks)</th>
<th>Total Hours per term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture hours:</td>
<td>3</td>
<td>54</td>
</tr>
<tr>
<td>Lab hours:</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Total hours:</td>
<td>3</td>
<td>54</td>
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</tbody>
</table>

Note: The Carnegie Rule and Title 5 section 55002 sets forth the minimum standards, which require 3 hours of work per unit of credit (e.g., hour lecture + 2 hours of home work; 3 hours of lab without homework, etc.). Two hours per week of lab with homework = 1 unit; 3 hours of lab per week without homework = 1 unit. Lecture also includes discussion and/or demonstration hours; laboratory includes activity and/or studio hours.

SUBJECT CODE: 061

SUBJECT ABBREVIATION: ANTHRO

SPC CODE (assigned by District Office):

ABBREVIATION FOR TRANSCRIPTS: ANTHRO

DEPARTMENT CODE: 02

TOP CODE (see Taxonomy of Programs at www.cccco.edu/cccco/edes/curric/curriculum.htm):

DEGREE APPLICABLE: ☐ No ☑ Yes

REPETITIONS:

Number of times can this course be repeated for credit (two maximum): None

How does the repetition of this course meet Title 5 sections 55761-55765 and 58161 requirements?
Course Subject: ANTHROPOLOGY
Course Number: 101; Title: Human Biological Evolution; Year-2002-2003

BASIC SKILLS: NO ☑ Yes □
(Title 5, section 55502(d) defines "basic skills as "courses in reading, writing, computation, and English as a Second Language which are designated as non-degree credit courses pursuant to Title 5, section 55602(b).")

COURSE CLASSIFICATION (choose only one):
☑ Liberal Arts and Sciences
☐ Developmental Preparatory
☐ Basic Skills
☐ Course for Substantially Handicapped
☐ Occupational

SAM CODE (choose only one)
☐ A --Apprenticeship (approved for offering to apprentices only)
☐ B --Advanced Occupational (but not limited to Apprentices)
☐ C --Clearly Occupational (but not Advanced)
☐ D --Possibly Occupational
☑ E --Non-Occupational

CROSS REFERENCE (Is this course listed as equivalent in content to existing college/District courses in another discipline?)
☑ No ☑ Yes □ (If yes, list courses: (documentation of cross-discipline agreement must be provided)

SPECIAL COURSE FOR STUDENTS WITH DISABILITIES:
☐ No ☑ Yes □

PREREQUISITE, CO-REQUISITE, ADVISORY, LIMITATION ON ENROLLMENT

Prerequisites: NO ☑ Yes □ (If yes complete information below)

<table>
<thead>
<tr>
<th>Subject</th>
<th>Number</th>
<th>Course Title</th>
<th>Units</th>
<th>Validation Approval Date</th>
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</table>

Coerequisites: NO ☑ Yes □ (If yes complete information below)

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<thead>
<tr>
<th>Subject</th>
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<th>Course Title</th>
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</table>

Advisories: NO ☑ Yes □ (If yes complete information below)

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<thead>
<tr>
<th>Subject</th>
<th>Number</th>
<th>Course Title</th>
<th>Units</th>
<th>Validation Approval Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>3</td>
<td>Introduction to Biology</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>
OTHER LIMITATIONS ON ENROLLMENT (see Title 5, 58106 and Board Rule 6803 for policy on allowable limitations):

None
ANTHRO 101
Section II: RELATIONSHIP TO PROGRAMS

Relationship to College Programs

COURSE IS AN APPROVED REQUIREMENT FOR AN APPROVED ASSOCIATE DEGREE OR CERTIFICATE PROGRAM:

No ☐ Yes ☑ If yes, list program(s) below. Approved programs are listed on the State Chancellor’s Office website at www.cccco.edu/cccco/esed/curric/inventory.htm

Required in major for an “Associate in Arts in Anthropology” (Program ID: 08451)

COURSE MEETS GENERAL EDUCATION REQUIREMENTS FOR THE ASSOCIATE DEGREE:

No ☐ Yes ☑ (If yes indicate area)

Plans A and B, Area A, Natural Sciences

Articulation Information
(To be completed in consultation with the College Articulation Officer)

TRANSFER STATUS:

University of California: YES

Date requested: Before 1996
UC approval date: Before 1996

California State University: YES

Date requested: Before 1996
College approval date: Before 1996

GENERAL EDUCATION FOR TRANSFER:

IGETC Certification: YES

Area Requested: Area 5
Biological Sciences
Date requested: 1991
IGETC approval date: 1991

CSU Certification: YES

Area Requested: Category B2
Life Forms
CSU approval date: Before 1996

2nd Area Requested:
Date requested:
IGETC approval date:

MAJOR REQUIREMENTS FOR TRANSFER – Has this course been articulated to meet lower division major requirements?

YES

CAN NUMBER: CAN ANTH 2

Date Requested: Before 1996
CAN Approval Date: Before 1996
## SECTION III: Course Content and Objectives

### COURSE CONTENT AND OBJECTIVES:

<table>
<thead>
<tr>
<th>COURSE CONTENT AND SCOPE: OUTLINE TOPICS TO BE INCLUDED IN THE LECTURE PORTION OF COURSE, IF APPLICABLE</th>
<th>Hours per topic</th>
<th>COURSE OBJECTIVES — Lecture</th>
<th>Upon successful completion of this course the student will be able to: (Use action verbs — see Bloom's Taxonomy below for “action verbs requiring cognitive outcomes.”)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Introduction to the Field</td>
<td>3 Weeks</td>
<td>As a result of completing this course, students will:</td>
<td>1. Describe the scientific method (as opposed to other methods) in the study of the universe.</td>
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<tr>
<td>4. The Living Primates</td>
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<td>4. Compare and contrast the various theories that interpret evolution and biological anthropology.</td>
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<tr>
<td>5. Primate Behavior</td>
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<td>5. Describe the significance of heredity and environment.</td>
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<tr>
<td>7. Paleoanthropology</td>
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<tr>
<td>8. Pliocene Hominids in South Africa</td>
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<tr>
<td>9. Pliocene Hominids in East Africa</td>
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<tr>
<td>10. Primate Evolution</td>
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<tr>
<td>11. Homo Erectus</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>12. Homo Sapiens</td>
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<td></td>
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<tr>
<td>13. Genetics and Evolution</td>
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<td></td>
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<tr>
<td>14. Biological Basis of Life</td>
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<td></td>
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<td>15. Evolutionary Record</td>
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<td></td>
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<tr>
<td>16. Human Adeptability</td>
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<td></td>
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<tr>
<td>17. Human Diversity</td>
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<td></td>
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</tr>
<tr>
<td><strong>Total lecture hours 54</strong></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

### COURSE CONTENT AND SCOPE: OUTLINE TOPICS INCLUDED IN THE LABORATORY PORTION OF COURSE, IF APPLICABLE

<table>
<thead>
<tr>
<th>COURSE CONTENT AND SCOPE: OUTLINE TOPICS INCLUDED IN THE LABORATORY PORTION OF COURSE, IF APPLICABLE</th>
<th>Hours per topic</th>
<th>COURSE OBJECTIVES — Laboratory</th>
<th>Upon successful completion of this course the student will be able to: (Use action verbs — see Bloom's Taxonomy below for “action verbs requiring cognitive outcomes.”)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Outline reflects course description, all topics covered in class)</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td><strong>Total lab hours 0</strong></td>
<td></td>
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</tr>
</tbody>
</table>

### Bloom's Taxonomy

#### SIMPLE SKILLS <<-------------------------------------------->> COMPLEX SKILLS

<table>
<thead>
<tr>
<th>Knowledge</th>
<th>Comprehension</th>
<th>Application</th>
<th>Analysis</th>
<th>Synthesis</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>define</td>
<td>translate</td>
<td>interpret</td>
<td>distinguish</td>
<td>compose</td>
<td>evaluate</td>
</tr>
<tr>
<td>repeat</td>
<td>restate</td>
<td>apply</td>
<td>analyze</td>
<td>plan</td>
<td>appraise</td>
</tr>
<tr>
<td>record</td>
<td>describe</td>
<td>employ</td>
<td>differentiat</td>
<td>propose</td>
<td>evaluate</td>
</tr>
<tr>
<td>list</td>
<td>explain</td>
<td>use</td>
<td>appraise</td>
<td>design</td>
<td>rate</td>
</tr>
<tr>
<td>recall</td>
<td>recognize</td>
<td>demonstrate</td>
<td>calculate</td>
<td>formulate</td>
<td>compare</td>
</tr>
<tr>
<td>name</td>
<td>describe</td>
<td>practice</td>
<td>experiment</td>
<td>arrange</td>
<td>value</td>
</tr>
<tr>
<td>relate</td>
<td>express</td>
<td>illustrate</td>
<td>test</td>
<td>assemble</td>
<td>compare</td>
</tr>
<tr>
<td>underline</td>
<td>identify</td>
<td>operate</td>
<td>contrast</td>
<td>test</td>
<td>score</td>
</tr>
<tr>
<td></td>
<td>locate</td>
<td>schedule</td>
<td>create</td>
<td>construct</td>
<td>assess</td>
</tr>
<tr>
<td></td>
<td>report</td>
<td>shop</td>
<td>set up</td>
<td>create</td>
<td>estimate</td>
</tr>
</tbody>
</table>
Course Subject: ANTHROPOLOGY
Course Number: 101; Title: Human Biological Evolution; Year: 2002-2003

<table>
<thead>
<tr>
<th>tell</th>
<th>sketch</th>
<th>inspect</th>
<th>debate</th>
<th>inventory</th>
<th>question</th>
<th>relate</th>
<th>solve</th>
<th>examine</th>
<th>categorize</th>
<th>prepare</th>
<th>estimate</th>
<th>measure</th>
</tr>
</thead>
</table>

APPROPRIATE READINGS
Reading assignments may include, but are not limited to the following:

American Journal of Physical Anthropology and books such as In The Shadow of Man by J. Oudall

WRITING ASSIGNMENTS:
Writing assignments may involve, but are not limited to the following (Title 5, section 55002 requires grades to be based on demonstrated proficiency in subject matter and the ability to demonstrate that proficiency, at least in part, by means of essays, or, in courses where the curriculum committee deems them to be appropriate, by problem-solving exercises or skills demonstrations by students):

1. If mutations are usually deleterious why are they considered vital for evolution?
2. Compare and contrast the origin of species by Darwinian gradualism with the origin of species by punctuated equilibrium.
3. Explain what science can and cannot tell us about the present at the origin of the universe.
4. Is human evolution best characterized as gradual or punctuated.

APPROPRIATE OUTSIDE ASSIGNMENTS:
Out of class assignments may involve, but are not limited to:

Research paper, article evaluations, Library reading, Preparation of Learning Lab, Field trip to a zoo to observe the behavior patterns of animals.

APPROPRIATE ASSIGNMENTS THAT DEMONSTRATE CRITICAL THINKING:
Critical thinking may include, but is not limited to analysis, synthesis, and evaluation

Research Paper – Explore a specific problem in any area of primate or human evolution.

Based upon material presented in lectures, the student will use the Punnett Square to solve a basic Mendelian Genetic Problem.

METHODS OF EVALUATION:
A student's grade is determined by the following. Methods of evaluation may include, but are not limited to the following: (Please note that Title 5, section 55002 requires grades to be "based on demonstrated proficiency in subject matter and the ability to demonstrate that proficiency, at least in part, by means of essays," except in courses where, or, in courses where the curriculum committee deems problem-solving exercises or skills demonstrations by students more appropriate.)
Course Subject: ANTHROPOLOGY
Course Number: 101; Title: Human Biological Evolution; Year-2002-2003

Assignments, problem solving, exercises, skills demonstrations, exams, homework and term projects

METHODS OF INSTRUCTION:
Methods of instruction may include, but are not limited to the following:

Lecture, class discussion, field work, A/V materials

REQUIRED TEXTS:
Provide a representative list of textbooks and other required reading; include author, title and date of publication.

Introduction to Physical Anthropology by H. Nelson and R. Jurmain, West Publishing

SUPPLIES:
Provide a list of supplies the college will provide and a list of supplies that the student must provide.

As course content requires

COMPUTER/INFORMATION LITERACY:
If applicable, explain how computer/information literacy is infused into the course.

In the preparation of Term Projects

CULTURAL DIVERSITY:
If applicable, explain how cultural literacy is infused into the course.

A primary focus of the course is world cultures, thereby embracing the full scope of diversity.

SCANS COMPETENCIES (required for all courses with vocational TOP Codes):

SCANS (Secretary's Commission on Necessary Skills) are skills the Department of Labor identified, in consultation with business and industry leaders, which reflect the skills necessary for success in the workplace. Check the appropriate boxes to indicate the areas in which the following skills are developed (please note that all SCANS competencies do not apply to all courses):

RESOURCES

✓ Manages Time: Selects relevant goal-related activities, ranks them in order of importance, allocates time to activities, and understands, prepares and follows schedules.

✓ Manages Money: Uses or prepares budgets, including making cost and revenue forecasts; keeps detailed records to track budget performance, and makes appropriate adjustments.

✓ Manages Material and Facility Resources: Acquires, stores, allocates, and distributes materials, supplies, parts, equipment, space or final products in order to make the best use of them.

INTERPERSONAL
Participates as Member of a Team: Works cooperatively with others and contributes to groups’ efforts with ideas, suggestions and effort.

Teaches Others New Skills: Helps others learn needed knowledge and skills.

Exercises Leadership: Communicates thoughts, feelings, and ideas to justify a position, encourage, persuade, convince or otherwise motivate an individual or group, including responsibly challenging existing procedures, policies or authority.

Negotiates: Works toward agreement that may involve exchanging specific resources or resolving divergent interests.

Works with Cultural Diversity: Works well with men and women and with people from a variety of ethnic, social, or educational backgrounds.

Acquires and Evaluates Information: Identifies a need for data, obtains the data from existing sources or creates them, and evaluates their relevance and accuracy.

Organizes and Maintains Information: Organizes, processes and maintains written or computerized records and other forms of information in a systematic fashion.

Interprets and Communicates Information: Selects and analyzes information and communicates the results of others using oral, written, graphic, pictorial, or multimedia methods.

Uses Computers to Process Information: Employs computers to acquire, organize, analyze and communicate information.

Understands Systems: Knows how social, organizational and technological systems work and operates effectively with them.

Monitors and Corrects Performance: Distinguishes trends, predicts impacts of actions on system operations, diagnoses deviations in the functioning of a system/organization, and takes necessary steps to correct performance.

Improves or Designs Systems: Make suggestions to modify existing systems in order to improve the quality of products or services and develops new or alternative systems.

Selects Technology: Judges which sets of procedures, tools or machines, including computers and their programs, will produce the desired results.

Applies Technology to Task: Understands overall intent and proper procedures for setting up and operating machines, including computers and their reprogramming systems.

Maintains and Troubleshoots Equipment: Prevents, identifies, or solves problems with equipment, including computers and other technologies.
Section IV: APPROVAL INFORMATION

APPROVAL STATUS:

☐ New Course ☐ District Approval Date:
☐ Addition of Existing District Course ☐ College Approval Date:
☐ Course Change ☐ College Approval Date:
☐ Outline Update ☐ College Approval Date: Oct 30, 02

INDICATE HOW THE COLLEGE PLANS TO MEET THE EXPENSE OF THIS COURSE: An existing course. No new funding required.

☐ By providing additional funds. Describe:

☐ By canceling class sections. Describe:

☐ By deleting/rotating sections of existing courses. Number of Sections to be deleted:
  First year: Second year: Third year:
  Will this directly impact other programs on campus ☐ No ☐ Yes. If yes, briefly explain how?

METHOD OF SUPPORT: (Indicate how the college plans to support the proposed course)

Number of faculty needed: Full-time: Part-time:
Number of other Staff: Classified Student Worker:
Classroom type needed:
Equipment: Needed -- List equipment currently available and what new equipment is needed and indicate funding source for any new equipment.

Supplies needed: -- List supplies and indicate dollar value.

Library/Learning Resources -- List existing and needed Library and Learning Resources, including the cost and funding source for needed resources.
CERTIFICATION AND RECOMMENDATION

☐ This course meets Title 5 requirements for Associate Degree applicable college credit towards an Associate of Arts Degree.

☐ This course meets Title 5 requirements, but does not satisfy the requirements for an Associate Degree applicable course.

We certify that the information and answers above properly represent this course.