

Basic Course Information

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|------------------|------------------------------------|--|--|
| Semester | Spring 2015 | Instructor Name | Manfred Knaak |
| Course Title & # | Physical Anthropology 100 | Email | manfred.knaak@imperial.edu |
| CRN # | 20718 | Webpage (optional) | none |
| Room | 2735 | Office | Room 2735 |
| Class Dates | February 17 - June 12, 2015 | Office Hours | M, T, Th: 5-6pm; F: Noon-1pm |
| Class Days | Tuesday /Thursday | Office Phone # | 760-355-6282 |
| Class Times | 8:35 a.m. to 10:00 a.m. | Office contact if student will be out or emergency | Department Secretary 760-355-6144 |
| Units | 3 units | | |

Course Description

The process and cause of human evolution; mankind's place in nature and the study of primates; the biological variability of living peoples and their genetic background. (CSU, UC)

Student Learning Outcomes

Upon course completion, the successful student will have acquired new skills, knowledge, and or attitudes as demonstrated by being able to:

1. Define the main goals and aims of physical anthropology. (ILO 2)
2. Demonstrate a measurable understanding of the Theory of Evolution by natural selection. (ILO 2, ILO 3, ILO 5)
3. Illustrate a measurable understanding of Mendelian Inheritance Rules and biological variation based on the study of modern genetics. (ILO 2, ILO 3)
4. Recognize anatomical changes in the evolutionary history of humankind based on the fossil record. (ILO 2, ILO 3)
5. Explain biological and cultural diversity. (ILO 2, ILO 5)

Course Objectives

Upon satisfactory completion of the course, students will be able to:

1. Describe how physical [biological] anthropology as a science helps to better understand human evolution and humankind's place in nature.
2. Understand the basics of cell biology and the importance of meiosis in cell division.
3. Apply the principles of genetics as discovered by Mendel.
4. Identify the primary characteristics of non-human primate anatomy and behavior.
5. Recognize and identify the major bones of the human skeleton.
6. Identify major fossil finds and their discoveries in Africa, Asia, and the Middle East.
7. Define the differences between the following: Australopithecines, Homo habilis, Homo erectus, Homo neanderthalensis, Cro-Magnon.
8. Learn the adaptive significance of modern human variation and adaptations to different environs.

Textbooks & Other Resources or Links

1. **Our Origins, Discovering Physical Anthropology**, 3rd edition, by Clark Spencer Larsen, ISBN 978-0-39392143

Course Requirements and Instructional Methods

Students will be tested on assigned reading material and from the multi-media presentations viewed in classroom sessions. The scheduled exams may consist of true-false and multiple choice. Homework portfolio assignments may be from our textbook and classroom sessions, as well as from the Internet, and will require additional research and writing. Students must take the final exam to receive a final grade.

Course Grading Based on Course Objectives

Three exams, which include the final exam, will be given during the semester. The semester grade will be based on an accumulation of points:

Exams: Total 150 points (3 exams at 50 points each)

Homework: 50 points

Total points: 200 points

| <u>Points:</u> | <u>Letter Grade</u> |
|----------------|---------------------|
| 200-180 | A |
| 179-160 | B |
| 159-140 | C |
| 139-120 | D |
| 119- 0 | F |

Make-up Exam: A Make-up Exam may be given with the instructor's discretion and may consist of essays only. The Make-up Exam will be given at the end of the semester during Finals Week. No more than one Make-up Exam is allowed.

Attendance

- A student who fails to attend the first meeting of a class or does not complete the first mandatory activity of an online class will be dropped by the instructor as of the first official meeting of that class. Should readmission be desired, the student's status will be the same as that of any other student who desires to add a class. It is the student's responsibility to drop or officially withdraw from the class. See General Catalog for details.
- Regular attendance in all classes is expected of all students. A student whose continuous, unexcused absences exceed the number of hours the class is scheduled to meet per week may be dropped. For online courses, students who fail to complete required activities for two consecutive weeks may be considered to have excessive absences and may be dropped.
- Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as 'excused' absences.

Classroom Etiquette

- Electronic Devices: Cell phones and electronic devices must be turned off and put away during class, unless otherwise directed by the instructor. The use of laptop computers requires prior approval by the instructor.
- Food and Drink are prohibited in all classrooms. Water bottles with lids/caps are the only exception. Additional restrictions will apply in labs. Please comply as directed.
- Disruptive Students: Students who disrupt or interfere with a class may be sent out of the room and told to meet with the Campus Disciplinary Officer before returning to continue with coursework. Disciplinary procedures will be followed as outlined in the General Catalog.
- Disrespectful or disruptive behavior toward the instructor or fellow students will not be tolerated.
- **Tardiness is disruptive, and if necessary, the instructor shall institute a tardiness penalty of three points for each late arrival in the classroom. Penalty points are cumulative and will reduce the overall point accumulation and may result in a lower grade.**
- Children in the classroom: Due to college rules and state laws, no one who is not enrolled in the class may attend, including children.

Academic Honesty

- Academic honesty in the advancement of knowledge requires that all students and instructors respect the integrity of one another's work and recognize the important of acknowledging and safeguarding intellectual property.
- There are many different forms of academic dishonesty. The following kinds of honesty violations and their definitions are not meant to be exhaustive. Rather, they are intended to serve as examples of unacceptable academic conduct.
- Plagiarism is taking and presenting as one's own the writings or ideas of others, without citing the source. You should understand the concept of plagiarism and keep it in mind when taking exams and preparing written materials. If you do not understand how to 'cite a source' correctly, you must ask for help.
- Cheating is defined as fraud, deceit, or dishonesty in an academic assignment, or using or attempting to use materials, or assisting others in using materials that are prohibited or inappropriate in the context of the academic assignment in question.

Anyone caught cheating or will receive a zero (0) on the exam or assignment, and the instructor may report the incident to the Campus Disciplinary Officer, who may place related documentation in a file. Repeated acts of cheating may result in an F in the course and/or disciplinary action. Please refer to the General School Catalog for more information on academic dishonesty or other misconduct. Acts of cheating include, but are not limited to, the following: (a) plagiarism; (b) copying or attempting to copy from others during an examination or on an assignment; (c) communicating test information with another person during an examination; (d) allowing others to do an assignment or portion of an assignment; (e) using a commercial term paper service.

Additional Student Services

- Imperial Valley College offers various services in support of student success. The following are some of the services available to students. Please speak to your instructor about additional services which may be available.
- Blackboard Support Site. The Blackboard Support Site provides a variety of support channels available to students 24 hours per day.

- **Learning Labs:** There are several learning ‘labs’ on campus to assist students through the use of computers, tutors, or a combination. Please consult your [campus map](#) for the [Math Lab](#), [Reading & Writing Language Labs](#), and [Study Skills Center \(library\)](#).
- **Library Services:** There is more to our library than just books. You have access to tutors in the Study Skills Center, study rooms for small groups, and online access to a wealth of resources.

Disabled Student Programs and Services (DSPS)

Any student with a documented disability who may need educational accommodations should notify the instructor or the [Disabled Student Programs and Services \(DSP&S\)](#) office as soon as possible. The DSP&S office is located in Building 2100, telephone 760-355-6313. Please contact them if you feel you need to be evaluated for educational accommodations.

Student Counseling and Health Services

Students have counseling and health services available, provided by the pre-paid Student Health Fee.

.Student Health Center. A Student Health Nurse is available on campus. In addition, Pioneers Memorial Healthcare District and El Centro Regional Center provide basic health services for students, such as first aid and care for minor illnesses. Contact the [IVC Student Health Center](#) at 760-355-6310 in Room 2109 for more information.

.Mental Health Counseling Services. Short-term individual, couples, family, and group therapy are provided to currently enrolled students. Contact the [IVC Mental Health Counseling Services](#) at 760-355-6196 in Room 2109 for more information.

Student Rights and Responsibilities

Students have the right to experience a positive learning environment and due process. For further information regarding student rights and responsibilities, please refer to the IVC General Catalog.

Information Literacy

Imperial Valley College is dedicated to helping students skillfully discover, evaluate, and use information from all sources. The IVC Library Department provides numerous Information Literacy Tutorials to assist students in this endeavor.

Anticipated Class Schedule / Calendar

| Week & Date | Assignment and Topic | Reading Assignment Pages |
|--------------------------|--|--------------------------|
| Week 1 17/19 February | Chapter 1, What is Physical Anthropology | p. 3-21 |

Imperial Valley College Course Syllabus – Course Title and number

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|--------------------------------|---|--------------------------|
| Week 2 24/26 February | Chapter 2, Evolution: Constructing a Fundamental Scientific Theory | p. 22-51 |
| Week 3 03/05 March | Chapter 3, Genetics: Reproducing Live and Producing Variation | p. 52-83 |
| Week 4 10/12 March | Chapter 3 continued | p. 52-83 |
| Week 5 17/19 March | Chapter 4, Genes and Their Evolution: Population Genetics | p. 84-117 |
| Week 6 24/26 March | Chapter 5, Biology in the Present: Living People | p. 118-155 |
| Week 7 31 Mar 02April | Chapter 6, Biology in the Present: The Other Living Primates | p. 156-191 |
| Week 8 6 - 11 April | Spring Recess [No classes] | |
| Week 9 14/16 April | Chapter 8, Fossils and Their Place in Time and Nature | p.214 - 251 |
| Week 10 21/23 April | Chapter 9, Primate Origins and Evolution: The First 50,000,000 Years | p. 252 - 285 |
| Week 11 28/30 April | Chapter 10, Early Hominin origins and Evolution: The Roots of Humanity. | p. 286 - 327 |
| Week 12 05/07 May | Chapter 11, The Origins and Evolution of Early Homo | p. 328 - 361 |
| Week 13 12/14 May | Chapter 12, The Origins, Evolution, and Dispersal of Modern People | p. 362 - 415 |
| Week 14 19/21 May | Chapter 12, continued | p. 362 - 415 |
| Week 15 26/28 May | Chapter 13, Our Last 10,000 Years: Agriculture, Population, and Bio-Archaeology | p. 416 - 453 |
| Week 16 02/04 June | Chapter 7, Primate Sociality, Social Behavior, and Culture Chapter 14, Evolution: Today and Tomorrow | p. 192-212 p. 456-478 |
| Week 17 8 to 12 June | Finals Week | |