

Physical Anthropology

Anthropology 2300 Section 001
Semester/Year

Instructor

Office Hours:
Office Phone:
Office Fax:

Teaching Assistants/Laboratory Instructors:

TBD	To.be.determined@ttu.edu
TBD	To.be.determined @ttu.edu
TBD	To.be.determined @ttu.edu

Meeting Time & Place

Holden Hall 150
MWF 12:00-12:50 pm

Required Textbook

Introduction to Physical Anthropology (2011-2012 edition) by Jurmain et al.
Publisher website: www.cengagebrain.com ISBN: 978-1-111-29793-0

Course description and outcomes

Anthropology 2300 is designed to introduce you to the field of physical/biological anthropology. We will cover a variety of topics in this course, including genetics, the theory of evolution, primate biology and behavior, the human fossil record, and human biological variation.

By the end of this course, you will have an understanding of the evolutionary process, the place of humans in the natural world, why humans are considered a primate, how humans evolved both physically and culturally, and why humans vary biologically in the patterns that we see.

Assessment

The class grade will be based on four examinations (400 points maximum). The examinations will consist of multiple choice and true/false questions based on material presented in lectures, the textbook, in-class films, and handouts. **Students are required to provide their own orange scantron test sheet and bring their own #2 pencil to class the day of the exam.** Each exam will only cover material presented since the previous exam, they will not be cumulative. **Late students will only be allowed to begin an exam if nobody has turned one in yet. Once the first completed exam is turned in nobody else will be allowed to start the exam.**

The grading scale for this course follows a traditional 10% scale: 100-90% = A, 89-80% = B, 79-70% = C, 69-60% = D, <60% = F.

Expected Learning Outcomes and Assessment:

This course fulfills 3 credit hours of the 6 SCH life and physical sciences core curriculum requirement. The companion laboratory class, ANTH 2100, satisfies 1 SCH of the 2 SCH Texas Tech University science laboratory graduation requirement. Courses in this category focus on describing, explaining, and predicting natural phenomena using the scientific method. These courses involve the understanding of interactions among natural phenomena and the implications of scientific principles on human experiences. The specific objectives and assessment techniques for this course are:

Core objectives

Core objectives:	Assessment techniques:
Critical Thinking Skills: Critical thinking is a habit of mind characterized by the comprehensive exploration of issues, ideas, artifacts, and events before accepting or formulating an opinion or conclusion.	This objective will be assessed through student performance on exam questions, and further through laboratory exercises in the university required laboratory section of this course.
Communication Skills: Written communication is the development and expression of ideas in writing. Written communication involves learning to work in many genres and styles. Oral communication is a prepared, purposeful presentation designed to increase knowledge, to foster understanding, or to promote change in the listeners' attitudes, values, beliefs, or behaviors.	This objective will be assessed in a variety of ways in this course. Students will prepare a short writing assignment near the end of the semester, where they will evaluate a scientific article. Students will also interpret visual information through lectures and the university required lab section. Oral communication will be assessed in the university required lab section, where students will teach each other material and participate in debates over various scientific theories.
Quantitative literacy: Quantitative literacy is a habit of mind, competency, and comfort in working with numerical data. Individuals with strong skills in this area possess the ability to reason and solve quantitative problems from a wide array of authentic contexts and everyday life situations. They understand and can create sophisticated arguments supported by quantitative evidence and they can clearly communicate those arguments in a variety of formats.	This objective will be assessed through student performance on exam questions that specifically test their ability to manipulate data involving gene frequencies and Hardy-Weinberg equations. These questions will appear in course examinations as well as laboratory exercises in the university required laboratory section.
Teamwork: Teamwork is behaviors under the control of individual team members (effort they put into team tasks, their manner of interacting with others on team, and the quantity and quality of contributions they make to team discussions).	This objective will be assessed in the university required laboratory section, where students will engage in collaborative projects and homework assignments.

TTU student learning objectives.

Demonstrate knowledge of the scientific method and to contrast it with other ways of understanding the world.	This objective will be assessed through student responses to exam questions.
Demonstrate knowledge of the tools and methods used by scientists to study the natural world.	This objective will be assessed through student responses to exam questions.
Explain some of the major theories in the natural sciences.	This objective will be assessed through student responses to exam questions.
Describe how Natural Sciences research informs societal issues, including ethics.	This objective will be assessed through student responses to exam questions.

College level competency objective

College-level competency: Students graduating from Texas Tech University should be able to: explain some of the major concepts in the Natural Sciences and to demonstrate an understanding of scientific approaches to problem solving, including ethics.	This objective will be assessed through student responses to exam questions and writing assignments.
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Course specific learning outcomes and assessments.

Learning Outcomes:	Assessed by:
At the end of the course, students will:	
Understand the theory of evolution by natural selection, and the evolutionary process.	Student responses to exam questions.
Understand how humans fit into the natural world, and why humans are considered primates.	Student responses to exam questions.
Know how humans have evolved both physically and culturally.	Student responses to exam questions.
Understand why different human groups vary in the expression of certain physical traits.	Student responses to exam questions.

Attendance policy

I do not require attendance to lectures, and I will not be taking roll nor deducting points for absences. That being said, I do expect you to attend lectures and be there on time. Coming to lectures is the easiest way to obtain the information that you will need to be successful in this class. I spend 3 hours a week telling you exactly what I think is important enough to put on the exams, and the most efficient way for you to get that information is to come to class.

For exams, I require you to attend all test days and be on time. As explained above, if you arrive after the first person has turned in an exam you will not be allowed to take the exam that day and will need to schedule an alternative exam. If you need to miss a scheduled exam day you need to let me know as soon as possible to schedule a makeup exam. I will always allow you to make up an exam if you talk to me before the scheduled test date. I will also allow anyone to take any exam a day or two early if they will have a conflict with the scheduled test date.

Exam makeup policy

If you are late to an exam, or oversleep, or get a flat tire, or your dog swallowed your car keys, (insert lame excuse here), you need to contact me **AS SOON AS POSSIBLE** by calling the Anthropology department and leaving a message with the departmental secretaries. If you do this, you will be allowed to take a short answer or essay exam worth the same number of points as the missed exam. This exam will cover the same material, but the format of the exam will be different than the multiple choice exam given to the class. Granting you this makeup opportunity is solely at the instructor's discretion. If it takes you 2-3 days to let me know you overslept that will not be acceptable. In this age of cell phones and e-mail, there are very few excuses that will convince me to let you take a makeup after several days have gone by.

Any missed exams must be made up no later than the date of the next exam. Any exams that are not made up by the next test date will be scored as a zero, and that grading opportunity is lost.

No makeups will be given if the final exam is missed, unless you have an exceptionally good (and documented) excuse. The final exam is given on the last day of the semester for this particular course, and thus the class (and any makeup opportunities for it) end when the final exam period ends.

Academic Honesty

As a student of Texas Tech University, you have committed to academic honesty. By doing so, you have promised that you will not provide or receive any improper aid in your academic work. All work submitted to me for assessment must be your own work, with the sole exception being a project that is specifically assigned as a group effort. If I suspect any form of academic dishonesty I will report it for investigation. Pending the outcome of that investigation, you will receive a grade of incomplete for the assignment or examination. If the review committee finds evidence of academic dishonesty you will receive a failing grade in the course. Frequently students are unaware of what constitutes academic dishonesty. In general, any effort to gain an advantage not available to all students constitutes academic dishonesty. If you have any doubts about plagiarism, what makes for an appropriate or inappropriate collaboration, or what

constitutes cheating, please consult me or one of the TAs. Remember that you are responsible for any work you turn in as your own.

Accommodations: Any student who, because of a disability, may require special arrangements in order to meet the course requirements should contact the instructor as soon as possible to make any necessary arrangements. Students should present appropriate verification from Student Disability Services during the instructor's office hours. Please note instructors are not allowed to provide classroom accommodations to a student until appropriate verification from Student Disability Services has been provided. For additional information, you may contact the Student Disability Services office at 335 West Hall or 806-742-2405.

ANTH 2100-303 PHYSICAL ANTHROPOLOGY LAB
Semester/Year Meeting Days: Room:

Instructor

REQUIRED TEXTS

- Laboratory Manual for ANTH 2100 (3rd edition). The manual is available at the campus bookstore
- "A Portrait of Humankind" Durband AC and Paine RR. (eds.)

COURSE DESCRIPTION

This is the lab portion of ANTH 2300. Anthropology 2100 is designed to introduce you to the field of physical/biological anthropology. We will cover a variety of topics in this course, including genetics, human osteology, primate biology and behavior, the human fossil record, and human biological variation.

By the end of this course, you will have an understanding of genetics, the place of humans in the natural world, why humans are considered a primate, how humans evolved both physically and culturally, and why humans vary biologically in the patterns that we see.

COURSE ASSESSMENT

Grade Scale:

A	90-100
B	80-89
C	70-79
D	60-69
F	<60

Quizzes: There will be six quizzes worth 10 points each, comprising 60% of the final grade. On quiz days the lab door will be closed and locked after the last quiz is handed out. **BE ON TIME.** Please read the "Attendance and Behavior" section for the make-up quiz policy.

Take Home Assignments: There are five take home assignments (three writing, two handouts), which are worth 30% of the final grade. Written assignments must be two pages, double-spaced, with one-inch margins and full citations. Students must use Times New Roman, font size 12. Topics will be based from the articles found in "A Portrait of Humankind."

Labs, Class Participation, Attendance: The remaining 10% of the student's final grade comes from lab work, class participation and attendance.

Core objectives

Core objectives:	Assessment techniques:
Critical Thinking Skills: Critical thinking is a habit of mind characterized by the comprehensive exploration of issues, ideas, artifacts, and events before accepting or formulating an opinion or conclusion.	This objective will be assessed through student performance on quizzes, and further through laboratory exercises.
Communication Skills: Written communication is the development and expression of ideas in writing. Written communication involves learning to work in many genres and styles. Oral communication is a prepared, purposeful presentation designed to increase knowledge, to foster understanding, or to promote change in the listeners' attitudes, values, beliefs, or behaviors.	This objective will be assessed in a variety of ways in this course. Students will prepare a series of writing assignments throughout the semester on various topics. Students will also interpret visual information through lectures and laboratory exercises. Oral communication will be assessed by the lab instructor as students teach each other material and participate in debates over various scientific theories.
Quantitative literacy: Quantitative literacy is a habit of mind, competency, and comfort in working with numerical data. Individuals with strong skills in this area possess the ability to reason and solve quantitative problems from a wide array of authentic contexts and everyday life situations. They understand and can create sophisticated arguments supported by quantitative evidence and they can clearly communicate those arguments in a variety of formats.	This objective will be assessed through student performance on quizzes that specifically test their ability to manipulate data involving gene frequencies and Hardy-Weinberg equations. These types of questions will also appear in graded laboratory exercises.
Teamwork: Teamwork is behaviors under the control of individual team members (effort they put into team tasks, their manner of interacting with others on team, and the quantity and quality of contributions they make to team discussions).	This objective will be assessed through students engaging in a series of collaborative projects and homework assignments.

TTU student learning objectives.

Demonstrate knowledge of the scientific method and to contrast it with other ways of understanding the world.	This objective will be assessed through student responses to quiz questions and writing assignments.
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Demonstrate knowledge of the tools and methods used by scientists to study the natural world.	This objective will be assessed through student responses to quiz questions and writing assignments.
Explain some of the major theories in the natural sciences.	This objective will be assessed through student responses to quiz questions and writing assignments.
Describe how Natural Sciences research informs societal issues, including ethics.	This objective will be assessed through student responses to quiz questions and writing assignments.

College level competency objective

College-level competency: Students graduating from Texas Tech University should be able to: explain some of the major concepts in the Natural Sciences and to demonstrate an understanding of scientific approaches to problem solving, including ethics.	This objective will be assessed through student responses to quiz questions and writing assignments.
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Course specific learning outcomes and assessments.

Learning Outcomes:	Assessed by:
At the end of the course, students will:	
Understand the theory of evolution by natural selection, and the evolutionary process.	Student responses to quiz questions.
Understand how humans fit into the natural world, and why humans are considered primates.	Student responses to quiz questions.
Know how humans have evolved both physically and culturally.	Student responses to quiz questions.
Understand why different human groups vary in the expression of certain physical traits.	Student responses to quiz questions.

ATTENDANCE AND BEHAVIOR

The class will be complimentary to what students will be learning in lecture so it is highly beneficial to attend every class. Roll will be taken each lab period. **You will be allowed two unexcused absences.** After the second absence, 1 point will be deducted from your final grade for each following absence. Students are expected to be in class, on time and prepared. Students arriving 10 or more minutes late will be marked absent for the day. Should they fail to attend a class, it is their responsibility to get class notes from their peers.

Assignments must be printed out and turned in to the instructor in class. Emailed assignments are not permitted. Assignments turned in the day after the due date will receive no more than half the total possible points. Assignments turned in 2 days late will receive no points and will not be accepted. If you have a valid, documented

excuse you may turn in late homework for full credit. However, you must let me know by the end of the business day you miss that you need to turn in your assignment late.

If a student knows that they will be unable to attend a quiz, he/she needs to speak to me ahead of time so we may schedule a make-up quiz. **The format of the make-up quizzes will be at the discretion of the TA.** Students will have one chance at a make-up quiz. Should the student miss their scheduled make-up, they will receive a 0 for that quiz. Students have until the following quiz to make-up their missed quiz (except for the final quiz which cannot be made up).

Students are expected to behave respectfully to each other and to the instructor. Should a student be disruptive during class, he/she will be asked to leave. **Absolutely no texting will be allowed during class.** This behavior is disruptive to the other students and to your instructor. If you insist on texting during class, you will be counted absent for the day. Laptops that are used for anything other than notes will not be tolerated. Food and/or drinks are not allowed in the lab except for water in a container with a cap that screws on.

We will be using skeletons and other tools throughout the semester. These are expensive to replace and students are expected to treat them with care and respect. If you must point to an area on the specimen, please do not use a pen or anything else that can leave a mark. Theft or mishandling of the skeletons will not be tolerated.

ACADEMIC DISHONESTY

The Code of Student Conduct states that Academic Dishonesty:

“...includes, but is not limited to, cheating, plagiarism, collusion, falsifying academic records, misrepresenting facts and any act designed to give unfair academic advantage to the student (such as, but not limited to, submission of essentially the same written assignment for two courses without the prior permission of the instructor(s) or the attempt to commit such an act.”

*-Code of Student Conduct
(<http://www.depts.ttu.edu/studentjudicialprograms/COSC2007-2008.pdf>)*

Plagiarized material or cheating will result in a 0 for that assignment with no chance for a makeup.

ACCOMMODATIONS

Students who need special accommodations should speak with me as soon as possible. The student should provide appropriate verification from Student Disability Services otherwise I cannot accommodate them.

SAMPLE SCHEDULE

Week 1

- 8/28: Syllabus/Genetics
- 8/30: Genetics

Week 2

- 9/4: Genetics
- 9/6: Genetics

Week 3

- 9/11: Genetics **QUIZ**
- 9/13: Human Variation, **Genetics Handout Due**

Week 4

- 9/18: Human Variation
- 9/20: Human Variation

Week 5

- 9/25: Human Variation **QUIZ**
- 9/27: Osteology 1, **Human Variation Handout Due**

Week 6

- 10/2: Osteology 1
- 10/4: Osteology 1

Week 7

- 10/9: Osteology 1
- 10/11: Osteology 1 **QUIZ**

Week 8

- 10/16: Primates
- 10/18: Primates

Week 9

- 10/23: Primates
- 10/25: Primates

Week 10

- 10/30: Primates **QUIZ**
- 11/1: Osteology 2, **Primates Writing Assignment Due**

Week 11

- 11/6: Osteology 2
- 11/8: Osteology 2

Week 12

- 11/13: Osteology 2
- 11/15: Osteology 2 **QUIZ**

Week 13

- 11/20: Human Evolution, **Osteology Writing Assignment Due**
- 11/22: **NO CLASS- THANKSGIVING BREAK**

Week 14

- 11/27: Human Evolution
- 11/29: Human Evolution

Week 15

- 12/4: Human Evolution, **QUIZ AND HUMAN EVOLUTION WRITING ASSIGNMENT DUE!!**

Sample Course Calendar

