Syllabus Spring 2018 ant 2511

ANTHROPOLOGY 2511 SPRING 2018
HUMAN SPECIES AND EVOLUTION
INSTRUCTOR: Vance Geiger, PhD
Office: 309
Office Hours: Tuesday, Thursday 11 - 1
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vance.geiger@ucf.edu
Text: Human Evolution and Prehistory, Essentials of Physical Anthropology by Larson
Grading: 3 Exams, 100 points each = 300
10 Labs 10 points each = 100
Attendance = 100 (3.3 points/day)
A = 90-100%
B = 80-89%
C = 70-79%
D = 60-69%
Week 1: 1/8
Introduction to the course
Introduction to Anthropology: Four Fields
READING: Online material
Week 2: 1/15
Introduction to Evolutionary Thought up to Darwin
Reading: Larsen chapter 2
Week 3: 1/22
Evolution: Darwin to Mendel
Molecular Genetics
READING: Larsen chapter 3
Week 4: 1/29
Population Genetics: Hardy-Weinberg, Definition of Evolution, Forces of Evolution
Reading Larsen chapter 4
Week 5: 2/5
Adaptation; Modern Evolutionary Theory
Taxonomy
READING: Larsen chapter 5
Exam 1
Week 6: 2/12
Time Scales; Dating Methods
Primate Evolution Overview: From Here to There
READING: Larsen chapter 8
Week 7: February 2/19
Early Primate Evolution
Later Primate Evolution

Primate Models: Behavior, Communication
READING: Larsen chapters 7 and 9
Week 8: 2/26
Paleoanthropology: Overview (Questions, History, Theoretical Trends, Hoaxes)
Australopithicines: Afarensis
READING: Larsen chapter 10
Week 9: 3/5
Australopithicines: Africanus, Robustus, Boisei
Australopithicines: Models, Behavior, Evolutionary Relationships
Homo Habilis
Reading: Larsen chapter 10
Spring Break 3/12 – 3/17
Week 10: 3/19
Homo Erectus
Homo Neanderthalis
READING: Larsen chapter 11
Exam 2
Week 11: 3/26
Archaic Homo Sapiens
Archaic Homo Sapiens: Problems
READING: Larsen chapter 11
Week 12: 4/2
Modern Homo Sapiens
Human Adaptability and Diversity: Polymorphisims, Physiological Responses to Stress
READING: Larsen chapter 12
Week 13: 4/9
Cultural Adaptation: Hunting and Gathering, Cultivation and Domestication
READING: Larsen chapter 12
Week 14: 4/16
Human Ecology
Example: Papua New Guinea
Exam 3 Final Exam period