

 FLORIDA ATLANTIC UNIVERSITY	NEW COURSE PROPOSAL Undergraduate Programs		UUPC Approval <u>12-7-20</u> UFS Approval _____ SCNS Submittal _____ Confirmed _____ Banner Posted _____ Catalog _____
	Department Anthropology College Wilkes Honors College (To obtain a course number, contact erudolph@fau.edu)		
Prefix ANT Number 2511	(L = Lab Course; C = Combined Lecture/Lab; add if appropriate) Lab Code	Type of Course <input type="text" value="Lecture"/>	Course Title Honors Introduction to Biological Anthropology
Credits (Review Provost Memorandum) 3	Grading (Select One Option) Regular <input checked="" type="radio"/> Pass/Fail <input type="radio"/> Sat/UnSat <input type="radio"/>	Course Description (Syllabus must be attached; Syllabus Checklist recommended; see Guidelines) The course will cover all aspects of the origin and evolution of humankind. Subject matter will include concepts of evolutionary thought, mammalian osteology, genetics vis- à-vis evolution, statistics and geometrics used in physical anthropology, what makes a hominin, modern and ancient non-human primates, the progression through hominin evolution, and modern human variation.	
Effective Date (TERM & YEAR) Spring 2021	Prerequisites, with minimum grade*		Corequisites ANT 2511L
		Registration Controls (Major, College, Level) Honors	
*Default minimum passing grade is D-. Prereqs., Coreqs. & Reg. Controls are enforced for all sections of course			
WAC/Gordon Rule Course <input type="radio"/> Yes <input checked="" type="radio"/> No WAC/Gordon Rule criteria must be indicated in syllabus and approval attached to proposal. See WAC Guidelines .		Intellectual Foundations Program (General Education) Requirement (Select One Option) None General Education criteria must be indicated in the syllabus and approval attached to the proposal. See GE Guidelines .	
Minimum qualifications to teach course Ph.D. in Anthropology or MD and MA in Physical Anthropology			
Faculty Contact/Email/Phone Rachel Corr/rcorr@fau.edu/799-8018		List/Attach comments from departments affected by new course	
Approved by Department Chair <u>Chris Strain</u> College Curriculum Chair <u>Carmen Canete Quesada</u> College Dean <u>Terje Alill</u> UUPC Chair <u>Jerry Hakey</u> Undergraduate Studies Dean <u>Edward Pratt</u> UFS President _____ Provost _____		Date <u>10-2-2020</u> <u>9/28/2020</u> <u>10/4/2020</u> <u>12-8-20</u> <u>12-8-20</u> _____ _____	

Email this form and syllabus to mjenning@fau.edu seven business days before the UUPC meeting.

haraANT 2511
Honors Introduction to Biological Anthropology
3 credits
Spring 2021
MW 11:00-12:20
HC 116

Instructor: Dr. Robert Vannucci
Office Hours: W 1-3
Email: vannuccir@fau.edu
Office: SR 218

Pre-Requisites: None

Co-Requisite: ANT 2511 L Honors Introduction to Biological Anthropology Lab.

COURSE DESCRIPTION:

The course will cover all aspects of the origin and evolution of humankind. Subject matter will include concepts of evolutionary thought, mammalian osteology, genetics vis- à-vis evolution, statistics and geometrics used in physical anthropology, what makes a hominin, modern and ancient non-human primates, the progression through hominin evolution, and modern human variation. At the end of the course each student should possess a thorough understanding on those processes and the synergy that shaped the development of our human ancestors and contemporaries.

COURSE OBJECTIVES and LEARNING OUTCOMES: By the end of this course, students will:

- demonstrate knowledge of the most important themes and topics in biological anthropology
- demonstrate knowledge of the different critical approaches, research methods, and debates in biological anthropology
- be able to define and explain the driving forces of evolution, and the process of human biological and cultural evolution over time.

NOTE ON HONORS DISTINCTION: This Honors course differs from a non-Honors course in the work and intellectual demands it places on students. In addition to the textbook readings, students will read articles published by professional scholars in peer-reviewed journals, and are expected to think critically about the debates within the field.

Course Requirements:

You are expected to attend class and be prepared to discuss the readings for the day. Participation might include some in-class assignments and group discussions. There will be four exams on the textbook chapters, lectures, articles, and videos. Students with more than three unexcused absences will have their participation grade lowered (see “Attendance Policy” below).

Email: Students are expected to use their FAU email address. I will be communicating with you through MYFAU (Canvas).

Required Textbooks:

“Exploring Biological Anthropology: The Essentials (4th Edition)” by Craig Stanford, John Allen, and Susan Antón (2017): \$80-140

Grading: Grades will be based on the exam average and attendance and participation.

Course Evaluation Method: (Grade Breakdown):

Exam 1 20%
Exam 2 20%
Exam 3 20%
Exam 4 20%
Participation: 20%

Grading Scale:

A = 93 - 100	B = 83 - 87	C = 73 - 77	D = 66 - 67
A- = 90 - 92	B- = 80 - 82	C- = 70 - 72	D- = 60 - 65
B+ = 88 - 89	C+ = 78 - 79	D+ = 68 - 69	F = 0 - 60

Policy on Makeup Tests, Late Work, and Incompletes

Makeup tests and late work will only be accepted in cases of documented emergencies or other documented excused absences due to participation in University-approved activities, including athletic or scholastics teams, musical and theatrical performances, and debate activities. Reasonable accommodation will also be made for students participating in a religious observance.

COURSE SYLLABUS by week:

- 1) Monday Jan. 11: Definition and subdivisions of anthropology; history of evolutionary thought.
Wednesday Jan. 13: Frequently used taxonomic terms.
- 2) Monday Jan. 18: Mammalian osteology; including osseous development, structure, and function, directional terms, and individual cranial and post-cranial bones.
Wednesday Jan. 20: The understanding of fossil identification and anthropological significance.
- 3) Monday Jan. 25: Genetics I: cell anatomy, cell division, historical perspective, essential molecules from DNA to protein, and the genetic code.

- Wednesday Jan. 27: DNA isolation, sequencing and identification, and relevance to paleoanthropology.
- 4) Monday Feb. 1: Genetics II: Mendelian genetics, mutations, human genetic disease, and statistical methods used in physical anthropology.
Wednesday Feb. 3: **Exam 1**.
 - 5) Monday Feb. 8: Forces of evolution: mutations, natural selection, gene flow, and genetic drift.
Wednesday Feb. 10: Taxonomy and speciation concepts.
 - 6) Monday Feb. 15: The human brain: macro- and micro-structure, and development.
Wednesday Feb. 17: Genetic underpinnings regarding intelligence, language, EQ, proxies, scaling, and geometric morphometrics.
 - 7) Monday Feb. 22: The study of fossils: geologic time scale and changes, and dating techniques.
 - 8) Wednesday Feb. 24: Climatic changes and their implications.
 - 9) Monday Mar. 1: Mammalian, primate, and hominin characteristics, taxonomy, cladistics, life history traits.
Wednesday Mar. 3: **Exam 2**.
 - 10) Monday Mar. 8: What makes a hominin?: The transition from apes to hominins; bipedalism.
Wednesday Mar. 10: Brain expansion, behaviors, and tool making.
 - 11) Monday Mar. 15: Pre-hominins and early hominins: characteristics, locales, behaviors;
Wednesday Mar. 17: *Sahelanthropus*, *Orrorin*, *Ardipithecus*, *Australopithecus*.
 - 12) Monday Mar. 22: More on the australopithecines (gracile and robust).
Wednesday Mar. 24: A major side branch.
 - 13) Monday Mar. 29: Early *Homo*: *habilis*, *rudolfensis*, *erectus*;
Wednesday Mar. 31: Characteristics, locations, migrations, behaviors.
 - 14) Monday April 5: Archaic *Homo sapiens*: a mishmash of hominin clades transitional from *Homo erectus* to modern humans; characteristics, locales.
Wednesday April 7: **Exam 3**.
 - 15) Monday April 12: Neandert(h)als, Denisovans, *Homo floresensis*: characteristics, locales, behaviors.
Wednesday April 14: Genetic interrelationships (ancient DNA).
 - 16) Monday April 19: Modern human origins: characteristics, theories of emergence, distribution, behaviors, genetic interrelationships.

Wednesday April 21: Modern human variation: from species to individuals, geographic, ethnic, racial, genetic underpinnings.

17) Monday April 26: (Last Day of Classes): Other aspects of physical anthropology: bioarcheology, forensic and biomedical anthropology.

Final Exam (**Exam 4**) date TBA.

VIDEOS:

“Dawn of Humanity”: story of the recent discovery of *Homo naledi* by Berger and associates.

“Decoding Neanderthals”: story of the origin, survival, and disappearance of the species, including genetic interbreeding with *Homo sapiens*.

“First Peoples”: story of the origin and migration of early modern *Homo sapiens*.

“Journey of Man”: a genetic analysis of the origin of the “global family”

Covid Statement: All students in face-to-face classes are required to wear masks during class, and students must sanitize their own workstations upon entering the classroom. Taking these measures supports the safety and protection of the FAU community. Students who do not adhere to these rules will be asked to leave the classroom and/or be removed from the course. Students experiencing flu-like symptoms (fever, cough, shortness of breath), or students who have come in contact with an infected person should immediately contact FAU Student Health Services (561-297-3512).

Participation and Classroom Etiquette Policy

In order to enhance and maintain a productive atmosphere for education, personal communication devices, such as cellular telephones, are to be disabled in class sessions.

Policy on Recording Class Lectures and Discussions:

The Honors College of FAU prohibits the audio and/or video recording of class lectures and discussions without the express permission of the instructor. Students who record class lectures or discussions without express permission may be subject to disciplinary action under the FAU Student Code of Conduct, Regulation 4.007; the FAU Code of Academic Integrity, Regulation 4.001; or the Honors College Honor Code.

Unless otherwise expressly permitted by the instructor, permission to record class lectures or discussions applied exclusively to the individual student who receives such permission from the instructor whose class is to be recorded. In no case shall recording occur without notice to all students in the class that the lecture and discussions may be recorded. The recording may not be replicated, accessed, utilized by, or made available to any other student or individual without the permission of the instructor.

Students who request recording of class lectures or discussions under the Americans with Disabilities Act must contact the Student Accessibility Services (SAS) to obtain such permission

or accommodation, and must otherwise comply with the requirements of SAS. Information for the SAS is available at <http://www.fau.edu/sas/>.

This policy remains subject to existing policies, procedures, and regulations of FAU, all of which shall continue to apply. This policy is not intended to address recordings or videos taken by faculty or FAU officials.

Code of Academic Integrity Policy Statement

Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty is considered a serious breach of these ethical standards, because it interferes with the university mission to provide a high-quality education in which no student enjoys an unfair advantage over any other. Academic dishonesty is also destructive of the university community, which is grounded in a system of mutual trust and places high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. For more information, see University Regulation 4.001 and the WHC Academic Honor Code at <http://www.fau.edu/honors/academics/honor-code.php>.

Attendance Policy: Students are expected to attend all of their scheduled University classes and to satisfy all academic objectives as outlined by the instructor. The effect of absences upon grades is determined by the instructor, and the University reserves the right to deal at any time with individual cases of non-attendance. Students are responsible for arranging to make up work missed because of legitimate class absence, such as illness, family emergencies, military obligation, court-imposed legal obligations or participation in University-approved activities. Examples of University-approved reasons for absences include participating on an athletic or scholastic team, musical and theatrical performances and debate activities. It is the student's responsibility to give the instructor notice prior to any anticipated absences and within a reasonable amount of time after an unanticipated absence, ordinarily by the next scheduled class meeting. Instructors must allow each student who is absent for a University-approved reason the opportunity to make up work missed without any reduction in the student's final course grade as a direct result of such absence.

Counseling and Psychological Services (CAPS): Center Life as a university student can be challenging physically, mentally and emotionally. Students who find stress negatively affecting their ability to achieve academic or personal goals may wish to consider utilizing FAU's Counseling and Psychological Services (CAPS) Center. CAPS provides FAU students a range of services – individual counseling, support meetings, and psychiatric services, to name a few – offered to help improve and maintain emotional well-being. For more information, go to <http://www.fau.edu/counseling/>

Accessibility Policy: In compliance with the Americans with Disabilities Act Amendments Act (ADAAA), students who require reasonable accommodations due to a disability to properly execute coursework must register with Student Accessibility Services (SAS) and follow all SAS procedures. SAS has offices across three of FAU's campuses – Boca Raton, Davie and Jupiter – however disability services are available for students on all campuses. For more information, please visit the SAS website at www.fau.edu/sas/.