

Anthropology 2112 WAO - Human Evolution - Winter 2020

lecturer - Joanne Lea

e-mail - jelea@lakeheadu.ca (replies usually within 24 hours of receipt)

class time - Mondays and Wednesdays 10:00-11:30 weather pending

class location - OA 2014

office hours - Mondays and Wednesdays 9:00-10:00 am or by appointment

course site - in LU website look in MyCourseLinks

Course Description

The field of palaeoanthropology is examined in this course. Students are introduced to the comparative primate biology and behaviour as a background to examining the fossil evidence for human evolution.

Learning Outcomes

By the end of this course, students will demonstrate knowledge of

- human and other primate cranial and post-cranial skeletal components
- the taxonomy, morphology and phylogeny of humans and other primates
- dating methodology for palaeoanthropology
- fossil evidence for human and other primate evolution

Required Textbooks (available at the University book store or on Amazon.ca for e-books; also available in the LU library, Orillia campus)

Klein RG (2009) *The Human Career* 3rd Edition. The University of Chicago Press.
ISBN 9780226439655

Whitehead P, Sacco WK and Hochgraff SM (2005) *A Photographic Atlas of Physical Anthropology: brief edition*. Morton Publishing Company, Englewood, CO.
ISBN 0895825724

Evaluation

Reading Response 1	5%	class Wednesday 8 January, due 13 January
Reading Response 2	5%	class Wednesday 15 January, due 20 January
Bones Test	10%	Monday 27 January
Term Test	10%	Monday 10 February (open book)
Reading Response 3	5%	class Monday 3 February, due 5 February
Reading Response 4	5%	class Wednesday 26 February, due 2 March
Participation	5%	
Skeletal Analysis Report	25%	due Wednesday 25 March
Final Exam	30%	

The criteria for the responses and the report will be provided during lectures. Reading responses and the Skeletal Analysis Report should be submitted as hard copies in class on the date due. Tests will take place in class.

Important Dates

First day of classes	Monday, 6 January
Last day of classes	Wednesday, 1 April
Final date to register (add)	Friday, 17 January
Final date for withdrawal (drop the class)	Friday, 6 March
Exam period	9 - 19 April

Missed tests/assignment due dates will not be made up without submission of official documentation of a reasonable cause (e.g. student or family illness, death of a family member). Please contact the instructor within 48 hours of any missed test or assignment due date.

Accommodations

Lakehead University is committed to achieving full accessibility for persons with disabilities. Part of this commitment includes arranging academic accommodations for students with disabilities and/or medical conditions to ensure they have an equitable opportunity to participate in all of their academic activities. If you are a student with a disability and think you may need accommodations, you are strongly encouraged to contact Student Accessibility Services (SAS) and register as early as possible. For more information, please contact Student Accessibility Services <http://studentaccessibility.lakeheadu.ca>

- Orillia - SAS - OA 1030, [705-330-4008 ext 2103](tel:705-330-4008))
or oraccess@lakeheadu.ca

Class behaviour and conduct

Please

- attend all classes
- completely turn off cell phones (both for ring tone and silent modes)
- arrive on time for class
- be respectful of others
- familiarize yourself with the LU Student Code of Conduct by reading it at <https://www.lakeheadu.ca/faculty-and-staff/policies/student-related/code-of-student-behaviour-and-disciplinary-procedures>

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Proposed class outline and readings (subject to change as circumstances arise)

Date	Topic	Readings Klein chapter	Readings Whitehead chapter
M 6 Jan.	Course introduction; Ethics; Overview of development of evolutionary theory	1	
W 8 Jan.	Dating primate origins Reading Response 1 (Klein)	2, 3	3
M 13 Jan.	Genetics Taxonomy, Osteology (skull) human and other primate examination of skull**	1,3	2,4
W 15 Jan.	Osteology (dentition) dentition analysis** Reading Response 2 (Whitehead et al.) Last day to add classes 18 January	3	1,2
M 20 Jan.	Osteology (post-cranial) post-cranial skeleton**	2	2,5
W 22 Jan.	Non-human primate taxonomy, morphology, phylogeny and behaviour Prosimians	3	1, 4
M 27 Jan.	Old World and New World Monkeys Bone test	3	1,4
W 29 Jan.	Non-human primate taxonomy, morphology, phylogeny and behaviour Mio-Pliocene and present Comparing primate and non-primate skeletal evidence**	3	8
M 3 Feb.	Non-human primate taxonomy, morphology, phylogeny and behaviour Great and Lesser Apes Reading Response 3 (Klein)	2, 3	3
W 5 Feb.	Origins of Hominin bi-pedalism Comparing ape and Hominin skull**	4	3,8
M 10 Feb.	Term Test (open book)		
W 12 Feb.	Evolution of Hominin bi-pedalism Skeletal evidence of bi-pedalism**	4	3, 8
Term Break (17 - 21 Feb.) NO CLASS			
M 24 Feb.	Early Hominins	4	8
W 26 Feb.	Australopithecus Reading Response 4 (Klein)	4	8
M 2 Mar.	Australopithecus Cranial metrics**	4	8
W 4 Mar.	Pre-modern Homo Examination of stone tool technologies** Last week to drop class - no penalty	4, 5	8

M 9 Mar.	H. erectus/H. ergaster	5	8
W 11 Mar.	H. neanderthalensis and modern humans Interpretation of evidence**	5	8
M 16 Mar.	Evolution in popular culture (film) seminar	4,5,6,7,8	8
W 18 Mar.	H. neanderthalensis and modern humans Cranial identification and capacities**	6, 7	
M 23 Mar.	Pathology Skeletal Analysis Report due	6,7	7
W 25 Mar.	Recent information		
M 30 Mar.	Definitions of "human"		
W 1 April	Review - Last day of class	8	
9 - 19 April Final Examination period			

****in-class examination of skeletal evidence for Skeletal Analysis Report**

[Reading Responses](#) work done in class and due as hard copy the next class

[Film](#) viewed outside of class and seminar discussion in class time (weather pending)