

Anthropology 2112 WAO - Human Evolution - Winter 2019

lecturer - Joanne Lea

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class time - Mondays and Wednesdays 11:30 - 1:00 weather pending

class location - OA 2010

office hours - Mondays and Wednesdays 10:00 - 11:00 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	10%	class Wednesday 9 January, due 14 January
Reading Response 2	10%	class Wednesday 16 January, due 21 January
Bones Test	5%	Monday 28 January
Term Test	5%	Monday 11 February February (open book)
Reading Response 3	5%	class Monday 4 February, due 6 February
Reading Response 4	5%	class Wednesday 27 February, due 4 March
Film Analysis	10%	class Monday 18 March, due 20 March
Skeletal Analysis Report	20%	due Monday 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, 7 January
Last day of classes	Wednesday, 3 April
Final date to register (add)	Friday, 18 January
Final date for withdrawal (drop the class)	Friday, 8 March
Exam period	8 - 18 April

Missed tests/assignment due dates will not be made up without submission of official documentation of a reasonable reason (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.

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 7 Jan.	Course introduction; Ethics; Overview of development of evolutionary theory	1	
W 9 Jan.	Dating primate origins Reading Response 1 (Klein)	2, 3	3
M 14 Jan.	Genetics Taxonomy, Osteology (skull) human and other primate examination of skull**	1,3	2,4
W 16 Jan.	Osteology (dentition) dentition analysis** Reading Response 2 (Whitehead et al.) Last day to add classes 18 January	3	1,2
M 21 Jan.	Osteology (post-cranial) post-cranial skeleton**	2	2,5
W 23 Jan.	Non-human primate taxonomy, morphology, phylogeny and behaviour Prosimians	3	1, 4
M 28 Jan.	Old World and New World Monkeys Bone test	3	1,4
W 30 Jan.	Non-human primate taxonomy, morphology, phylogeny and behaviour Mio-Pliocene and present Comparing primate and non-primate skeletal evidence**	3	8
M 4 Feb.	Non-human primate taxonomy, morphology, phylogeny and behaviour Great and Lesser Apes Reading Response 3 (Klein)	2, 3	3
W 6 Feb.	Origins of Hominin bi-pedalism Comparing ape and Hominin skull**	4	3,8
M 11 Feb.	Term Test (open book)		
W 13 Feb.	Evolution of Hominin bi-pedalism Skeletal evidence of bi-pedalism**	4	3, 8
Term Break (18, 20 Feb.) NO CLASS			
M 25 Feb.	Early Hominins	4	8
W 27 Feb.	Australopithecus Reading Response 4 (Klein)	4	8
M 4 Mar.	Australopithecus Cranial metrics**	4	8
W 6 Mar.	Pre-modern Homo Examination of stone tool technologies** Last week to drop class - no penalty	4, 5	8

M 11 Mar.	H. erectus/H. ergaster	5	8
W 13 Mar.	H. neanderthalensis and modern humans Interpretation of evidence**	5	8
M 18 Mar.	Film analysis	4,5,6,7,8	8
W 20 Mar.	H. neanderthalensis and modern humans Cranial identification and capacities**	6, 7	
M 25 Mar.	Pathology Skeletal Analysis Report due	6,7	7
W 27 Mar.	Recent information		
M 1 April	Definitions of "human"		
W 3 April	Review - Last day of class	8	
8 - 18 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