

**ANTH 2110 FDE 2020**  
**Biology of Human Variation**

Professor: Dr. Tamara Varney

Location: Zoom

Class time: Tues 7-10pm

Phone: 807-343-8204

Office: Braun Building 2001C

Email: [tvarney@lakeheadu.ca](mailto:tvarney@lakeheadu.ca)

Office Hours: by appointment OR email

**Course Website:** Accessed via myCourseLink

LU website 'Quicklinks' (top right corner), 'For Students' > myCourseLink

Lecture slides, quizzes, and other materials will be posted.

See myCourseLinks for 'A Typical Week in ANTH 2110'

Be sure to check the Announcements there each week too.

Email is encouraged as the means of communication in light of Covid 19 Pandemic protocols.

I cannot guarantee that I will respond in a timely fashion if messages are left on my voice mail rather than email (I am not on campus due to the pandemic) and students should NOT expect less than **24 hour** turnaround time to email messages.

Please DO NOT assume that your message, voice or email, has been received unless you receive an acknowledgement.

**Course Description:**

This course focuses on human microevolution. Topics include evolutionary theory, the genetic background of human variation, the distribution of human variation, human adaptability, and the role of disease and other influences on human evolution.

**Required Textbook:** (available at the University Bookstore- <https://bookstore.lakeheadu.ca/> - click Textbooks in the left hand menu then search in Distributed Learning

Mielke JH, Konigsberg LW and Relethford JH. 2011. Human Biological Variation.  
2<sup>nd</sup> Edition. Oxford University Press. ISBN 13: 978-0-19-538740-7

**Also see the course Desire2Learn (D2L) site (look in MyCourseLinks on the LU website) for additional resources.**

**Evaluation:**

Your final grade will be based on:

Assignment 1	5%	Sept 15
Assignment 2	5%	Sept 22
Weekly Quiz x 7	35% (7x5%)	see schedule below
Midterm Test	25%	Oct 8
Final Exam	30%	Final examination period – Dec 10-20 **Note exam contingency date is Dec 21 <sup>st</sup> .

Quizzes and the midterm test are multiple choice and various short formats. They will be available for you to take anytime within a 12 hour period and the average duration will be 30min. The midterm will be 2 hours long. The Final Exam will be scheduled by the Registrar – the time table is generally available in early to mid Oct.

Quizzes are 'timed' and administered on MyCourseLink, and will relate to the previous week's course material. Students will have one-time window/opportunity to take the test and if you take too long looking up the correct answers you will likely 'time out' before completion.

Both the Midterm and Final Exam will be cumulative in nature.

NOTE: All quizzes, tests, and exams will be timed and you must focus on completing them. There is not time for looking things up etc so be sure to be ready and focused when you take the quiz.

Please note that **Fri, November 6, 2020** is the last date for withdrawal without academic penalty from this course. Students should have received feedback on 25% of the course mark by that date.

In **ANTH 2110 FDE**, in the context of remote instruction and participation, video and audio recordings of class activities will be made to ensure students' and instructors' easy and comprehensive access to those activities. The recordings are confidential and are intended only for the use of the course students and instructors. They may otherwise not be used or disclosed. During recording, to protect others' privacy, each student should ensure that no one else is present in the location where they are being recorded without that non-student's consent. The recordings are made under the authority of sections 3 and 14 of *The Lakehead University Act, 1965*. Questions about the collection of the images and sounds in the recordings may be directed to Dr. Todd Randall (Dean, Faculty of Science and Environmental Studies), [todd.randall@lakeheadu.ca](mailto:todd.randall@lakeheadu.ca), 807-343-8289.

**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 to ensure they have an equitable opportunity to participate in all of their academic activities. If you 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 visit: <http://studentaccessibility.lakeheadu.ca>

Missed tests will not be made-up unless official documentation of a reasonable excuse is submitted (e.g. student or family illness, death of family member, car accident). Please note that that going off on holidays or leaving early at the end of term OR similar do NOT constitute reasonable excuses. Please contact me within **48 hrs.** of any missed due date or test for **ANY** reason. In case of snowstorm, hwy closures and warnings – these are acceptable and verifiable reasons to miss class – but again, *contact me ASAP*.

Students are strongly advised to familiarize themselves with the Student Code of Conduct (<http://policies.lakeheadu.ca/policy.php?pid=60>) with regard to both academic and non-academic misconduct. Non-compliance will NOT be tolerated in this course and the code will be adhered to in terms of disciplinary action.

**Plagiarism definition from the Student Code of Conduct – Academic Integrity** – “Presenting another’s ideas or phrasings as

one's own without proper acknowledgement. Examples include: copying and pasting from the internet, a printed source or other resource without proper acknowledgement; copying from another Student, whether past or present; using direct quotations or large sections of paraphrased material in an assignment without proper acknowledgement; submitting the same piece of work in more than one course without the permission of the instructor(s)”

**Study Tutorials:** it has been my practise in past years to hold some supplementary but highly recommended, out of class time pre-midterm test and final exam tutorials upon request. These are held as long as they are requested by students at least 2 weeks prior to the exam and they will be scheduled around the availability of the majority of those interested. Which means → more than one may be held in the week before a test in order to accommodate as many students as possible. These are meant to be interactive – students bring the topics and questions they wish to explore.

**Tentative Class schedule:**

<b>Week</b>	<b>Date</b>	<b>Topic</b>	<b>Reading</b>
1	Sept 8	Introduction to the Course	
2	Sept 15	<b>Assignment 1 - AIM (Plagiarism Certificate) Due</b>	See D2L
		History of Study: Human Variation	Ch 1 & D2L
3	Sept 22	<b>Assignment 2 Due</b>	See D2L
		<b>Quiz</b>	
		Genetic Basis of Human Variation	Ch 2 & 3
4	Sept 29	<b>Quiz</b>	
		Inheritance of simple traits: blood group and polymorphisms	Ch 4 & 8
5	Oct 6	<b>Quiz</b>	
		Inheritance of simple traits 2: plasma proteins, RBC enzymes, HLA	Ch 5 & 6
6	Oct 13	<b>BREAK WEEK – NO CLASS</b>	
6	Oct 20	<b>Quiz</b>	
		Inheritance of simple traits 3: Hemoglobin variants and DNA Markers	Ch 7 & 9
7	Oct 27	<b>MIDTERM</b>	
8	Nov 3	<b>Quiz</b>	
		Epigenetics - film – Ghost in the Genes – watch and do suggested readings before class – a brief lecture will be given followed by discussion on the topic during classtime – DO READINGS – IF NO ONE PARTICIPATES IN DISCUSSION THERE WILL BE NO DISCUSSION! To facilitate the discussion, I will set up a discussion forum on D2L that will help get it started.	See D2L
9	Nov 10	<b>Quiz</b>	
		Traits of Complex Inheritance & their adaptations I: introduction, anthropometrics, growth and development	Ch 10 & 11 to p. 280
10	Nov 17	<b>Quiz</b>	
		Traits of Complex Inheritance & their adaptations II: environmental adaptations	Ch 11 from p 280 Ch 12

11	Nov 24	<b>Quiz</b>	
		Population Structure & History; Changing Dimensions of the Human Species: Demographic and Epidemiological Transitions	Ch 13
12	Dec 1	Human Variability and Behaviour	Ch 14 & D2L
	<b>Dec 5-15 Final Exam Period – contingency Dec 21</b>	<b>Final Exam</b> ++ Note - contingency date is Dec 16 <sup>st</sup>  <b>exam timetable is generally released in early to mid Oct. Do not make travel plans for the holidays beforehand so that you do not miss your exam.</b>	