

# **Introduction to Biological Anthropology**

*ANTHROPOLOGY 2EO3 - Fall Semester 2016*

**Instructor: Dr. Andrew Wade**

**Email: [wadeand@mcmaster.ca](mailto:wadeand@mcmaster.ca)**

**Course Location: Burke Science B135**

**Course Time: Mondays 4:30PM – 5:20PM**

**Thursdays 4:30PM – 5:20PM**

**Instructor Office Location: CNH 515**

**Instructor Office Hours:**

**Mondays 3:00PM – 4:00PM**

**TA Office Hours: TBA – see Avenue**

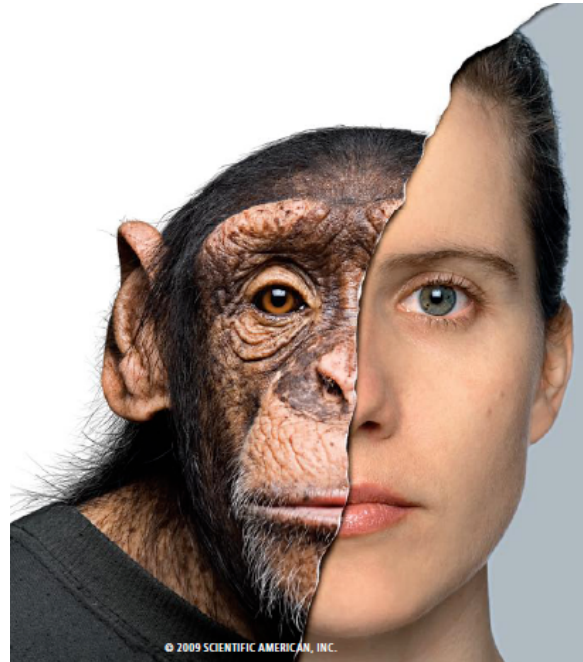
**TA Emails: TBA – see Avenue**

**Required Texts/Software:**

**Stanford et al. 2017. Exploring Biological  
Anthropology: The Essentials, 4<sup>th</sup> Edition.**

**Top Hat Subscription – 1+ term**

**see [www.tophat.com/pricing](http://www.tophat.com/pricing)**



Regardless of whether or not your academic interests or career plans will make you a biological anthropologist, you will be a human for the rest of your life. This course examines how we came to be the modern humans you sit next to in lecture and on the bus, what that evolutionary process tells us about the human giving the lecture or driving the bus, and how we study those changes in the pre-bus past and in the lecture present. The story of our continuing biological evolution and our uniquely dominant biosocial evolution is a vital part of the ever-changing story of what it means to be a human.

If I have done my part in this course, and you yours, you will come away understanding:

- The principles of evolutionary biology and human genetics
- The similarities and differences between humans and non-human primate species
- The major trends in hominid evolution and the origin of modern humans
- The influence of genetic, ecological, and sociocultural factors on biological variation

This course will examine the evolution of humanity from our early hominid ancestors and the ways in which our evolution has diverged from that of our nearest primate relatives. Our focus will be on the lessons that biological anthropology provides us in our quest for a better understanding of our species. We will stress the importance of genetic and epigenetic factors in the collaborative interdisciplinary study of human beings.

**If you require this information in an alternate/accessible format, please contact Eszter Bell at 905-525-9140 extension 24423 or email [bellesz@mcmaster.ca](mailto:bellesz@mcmaster.ca)**

## Academic Accommodations

The University provides academic accommodations for students with disabilities in accordance with the terms of the Ontario Human Rights Code. This occurs through a collaborative process that acknowledges a collective obligation to develop an accessible learning environment, which both meets the needs of students and preserves the essential academic requirements of the University's courses and programs. *Students who require academic accommodation must contact Student Accessibility Services (SAS) to make arrangements with a Program Coordinator. Academic accommodations must be arranged for each term of study.* Student Accessibility Services can be contacted by phone 905-525-9140 ext. 28652 or by e-mail [sas@mcmaster.ca](mailto:sas@mcmaster.ca). For further information, consult McMaster's Policy for Academic Accommodation of Students with Disabilities at: <https://www.mcmaster.ca/policy/Students-AcademicStudies/AcademicAccommodation-StudentsWithDisabilities.pdf>

## MSAF

The MSAF should be used for medical and non-medical (personal) situations. Approval of the MSAF is automatic (i.e. no documentation required). Rules governing the MSAF are as follows:

The timeframe within which the MSAF is valid has been reduced from 5 days to 3 days.

The upper limit for when an MSAF can be submitted has been reduced from 'less than 30%' to 'less than 25%' of the course weight.

The 'one MSAF per term' limit is retained.

As per the policy, an automated email will be sent to the course instructor, who will determine the appropriate relief. *Students must immediately follow up with their instructors. Failure to do so may negate their relief.*

Policy: The MSAF policy can be found in the Undergraduate Calendar under General Academic Regulations > Requests for Relief for Missed Academic Term Work or here: [http://academiccalendars.romcmaster.ca/content.php?catoid=11&navoid=1698#Requests for Relief for Missed Academic Term Work](http://academiccalendars.romcmaster.ca/content.php?catoid=11&navoid=1698#Requests_for_Relief_for_Missed_Academic_Term_Work)

Occasionally, longer term medical or personal issues make it impossible to meet deadlines or to take exams as scheduled. Students are responsible for arranging make-up quizzes and exams with the instructor as soon as possible.

## Top Hat

In this course we will also be using the Top Hat ([www.tophat.com](http://www.tophat.com)) classroom response system in class. You will be able to submit answers to in-class questions using Apple or Android smartphones and tablets, laptops, or through text message. You can visit the Top Hat Overview ([www.support.tophat.com/hc/en-us/articles/200019034-Top-Hat-Overview-Getting-Started](http://www.support.tophat.com/hc/en-us/articles/200019034-Top-Hat-Overview-Getting-Started)) within the Top Hat Success Center, which outlines how you will register for a Top Hat account, as well as providing a brief overview to get you up and running on the system. An email invitation will be sent to you by email, but if don't receive this email, you can register by simply visiting our Top Hat course website: <https://app.tophat.com/e/337318>

**Note: our Course Join Code is 337318**

Should you require assistance with Top Hat at any time, due to the fact that they require specific user information to troubleshoot these issues, please contact their Support Team directly by way of email ([support@tophat.com](mailto:support@tophat.com)), the in app support button, or by calling 1-888-663-5491.

### Avenue To Learn

In this course we will be using Avenue to Learn (<http://avenue.mcmaster.ca>). Log in, using your MacID and password, to connect to course content such as this syllabus, lecture overviews, announcements, interesting links, etc. Additionally, each lecture will be video recorded and you will be able to access the videos and lecture PPTs through Avenue.

### Academic Dishonesty

Academic dishonesty consists of misrepresentation by deception or by other fraudulent means and can result in serious consequences, e.g. the grade of zero on an assignment, loss of credit with a notation on the transcript (notation reads: "Grade of F assigned for academic dishonesty"), and/or suspension or expulsion from the university.

It is your responsibility to understand what constitutes academic dishonesty. For information on the various kinds of academic dishonesty please refer to the Academic Integrity Policy, specifically Appendix 3, at:

<http://www.mcmaster.ca/policy/Students-AcademicStudies>

The following illustrates only three forms of academic dishonesty:

1. Plagiarism, e.g., the submission of work that is not one's own for which other credit has been obtained.
2. Improper collaboration in group work.
3. Copying or using unauthorized aids in tests and examinations.

### Correspondence

Most questions can and should be asked in class or during office hours. However, if you have a quick question or comment and need to email me, please feel free to do so. I check my email regularly throughout the week, so you can expect a response within **~48 hours**. Please put **2EO3 in the subject line** of your email and **include your name and student number** at the end of all correspondence. I cannot respond to lengthy questions over email but will be happy to discuss them in person. If an emailed question is relevant to the rest of the class, I will post a response on Avenue or discuss it in the next class.

### Faculty of Social Sciences E-mail Communication Policy

Effective September 1, 2010, it is the policy of the Faculty of Social Sciences that all e-mail communication sent from students to instructors (including TAs), and from students to staff, must originate from the student's own McMaster University e-mail account. This policy protects confidentiality and confirms the identity of the student. It is the student's responsibility to ensure that communication is sent to the university from a McMaster account. If an instructor becomes aware that a communication has come from an alternate address, the instructor may not reply at his or her discretion.

Email Forwarding in MUGSI: <http://www.mcmaster.ca/uts/support/email/emailforward.html> \*Forwarding will take effect 24-hours after students complete the process at the above link (Approved at the Faculty of Social Sciences meeting on Tues. May 25, 2010)

## Marking Scheme

### **Quizzes** [8 x 4% = 32%]

At the beginning of each lab session you will complete a brief quiz (varying formats), covering material from the previous week's lectures. There will be 10 quizzes and your best 8 will count towards your final grade.

### **Midterm Exam** [30%]

The midterm exam will consist of a mix of short-answer and problem questions, covering material prior to the midterm. The exam will be held in our regular classroom during our regularly scheduled lecture time on July 6.

### **Final Exam** [30%]

The final exam will consist of a mix of short-answer and longer-format questions, covering material taught after the midterm exam. The exam will be held in our regular classroom during our regularly scheduled lecture time on August 3.

### **Top Hat** [8%]

We will be using the Top Hat ([www.tophat.com](http://www.tophat.com)) classroom response system in class. You will be able to submit answers to in-class questions using Apple or Android smartphones and tablets, laptops, or through text message.

*Note: The Government of Ontario requires that students be provided a no-extra-cost option for obtaining a course credit. A limited number of free Top Hat subscriptions are available for students in financial need – contact either Dr. Wade as soon as possible but no later than **September 15, 2016**. As well, students who do not wish to pay for a Top Hat subscription will have the weight allocated to their quiz totals (8 x 5%). To exercise this option, you must notify Dr. Wade by email as soon as possible, but no later than **Sept 15, 2016**.*

**The instructor and university reserve the right to modify elements of the course during the term. The university may change the dates and deadlines for any or all courses in extreme circumstances. If either type of modification becomes necessary, reasonable notice and communication with the students will be given with explanation and the opportunity to comment on changes. It is the responsibility of the student to check his/her McMaster email and course websites weekly during the term and to note any changes.**

<b>Date</b>	<b>Lecture</b>	<b>Lab</b>	<b>Readings Chapter (pg)</b>
<b>Sept</b> 8	<b>1. Introduction to Biological Anthropology</b>	9 <sup>th</sup> : <i>No Lab</i>	1 & 2
12/15	<b>2. Biological Basis of Life</b>	16 <sup>th</sup> : Lab 1	3
19/22	<b>3. Mendelian Inheritance</b>	23 <sup>rd</sup> : Lab 2	4
26/29	<b>4. Population Genetics</b>	30 <sup>th</sup> : Lab 3	5
<b>Oct</b> 3/6	<b>5. Race &amp; Human Variation</b>	7 <sup>th</sup> : Lab 4	6 (105-122)
10/16	<b><i>MIDTERM RECESS – NO CLASSES</i></b>		
17/20	<b><i>Midterm Exam Review on 17th MIDTERM EXAM – IN CLASS ON 20<sup>th</sup></i></b>	21 <sup>st</sup> : <i>No Lab</i>	☺
24/27	<b>6. The Primate Order</b>	28 <sup>th</sup> : Lab 5	7
<b>Oct / Nov</b> 31 / 3	<b>7. Primate Behaviours</b>	4 <sup>th</sup> : Lab 6	8
<b>Nov</b> 7/10	<b>8. Human Evolution</b>	11 <sup>th</sup> : Lab 7	9
14/17	<b>9. Early Primates &amp; Hominids</b>	18 <sup>th</sup> : Lab 8	10
21/24	<b>10. Homo</b>	25 <sup>th</sup> : Lab 9	11 - 13
<b>Nov / Dec</b> 28 / 1	<b>11. Human Adaptation</b>	4 <sup>th</sup> : Lab 10	6 (123-140)
<b>Dec</b> 5	<b><i>Final Exam Review</i></b>	11 <sup>th</sup> : <i>No Lab</i>	☺
<b>Dec 9 - 22</b>	<b><i>FINAL EXAM PERIOD</i></b>		