

Research Paper	35%
Participation	25%

Course Requirements

Leading discussion: One of the most valuable tools you can leave graduate school with is the ability to put together and deliver a lecture for peers, colleagues, and of course students. To that end, I will be providing a list of topics you will be required to sign up for. Topics will be centered on molecular anthropology and should be something that you are interested in.

The week prior to your presentation, I will give a ~30 minute overview of the subject in order to ensure everyone is up to speed on what the topic is, prior to our student-led discussion of it.

Your presentation should include:

- Rundown of particularly onerous jargon not previously covered
- Discussion of relevant background or foundational ideas
- Where the topic currently sits in terms of research
- Conflicts or debates within the field
- Handouts for your classmates of the slides/notes that you utilize
 - If you would like these printed for you, you must email them at least two hours before class!
- A list of resources utilized, to be handed in to your professor upon completion
- **Your presentation should be interactive and engaging for fellow students.**
 - This could include but is not limited to: creating phylogenies from related objects (candy bars work great!), creating a video/podcast, playing a game related to the concepts, hands-on with casts/fossils, or other means of drawing student engagement.
 - Activities that teach/reinforce the topic are encouraged—higher scores will be given to those who can combine being interactive with actual teaching. This is your chance to hone those teaching skills, which will be vital for almost any career you decide on.
 - Please consult your professor for aid or guidance!
 - This semester, with at least some of it being online, will require some extra effort on your part. There are so many resources out there that can demonstrate the effective ways to integrate zoom, online activities, and other fun ways to engage the rest of the class, that there really isn't any excuse. These skills will be incredibly useful to you at a later date!
- Your presentation should go well beyond just the articles that are assigned and the review Dr. Snow does. You will be teaching this topic and are expected to delve deep into it (which means read widely in the area, using the assigned articles are a starting point!)

In preparation for each lecture I will provide the class with relevant readings from the textbook and journal articles. Everyone is required to read these assigned readings and type up relevant notes and at least two questions for each reading. These will be used for participation as noted below.

Those who are presenting should use the list as a jumping-off point to delve further into the topic through articles, books, and other available resources; expect to read deeply into the area. If you need help finding resources, please ask your professor.

Due to the number of students enrolled and the number of topics, you will need to work in pairs or small groups for your presentation. Please be amenable to your fellow group members and divide the work up as evenly as possible. If problems arise, please speak with your professor in order to ensure credit is accurately distributed.

Research paper: you will be required to write a paper on the migration and peopling of a particular region/country (please keep your region limited to avoid being overwhelmed). It is preferable that you select a region that you personally find interesting, or that is related to other coursework or research. A region should be chosen by the **fourth week** of class and submitted to your instructor at that time. Duplicate topics between students will not be allowed, so selecting early is in your favor.

Your topic should address the prehistoric and historic migration into a particular area. You are welcome to utilize information gathered through multiple lines of evidence, but the bulk of your research should address the genetic/molecular evidence (**>50% of your supporting arguments!**). Through your research you should form an argument regarding the peopling of the region and use your paper to support this theory, while noting the potential for debate.

Paper format: the paper itself should be at least ten full pages in length, 12pt Times font, with one-inch margins, double spaced. The ten pages do not include your bibliography, which should be in Chicago author-date format (see <https://vimeo.com/87083554> for more details). Sources should be entirely peer-reviewed unless for extremely basic background information, in which case websites must be pre-approved. A draft of your paper will be due a few weeks before the end of the semester, and the final paper on the day we are scheduled for a final, although there will be no exam (see calendar below). Late papers will not be accepted, and your paper must be submitted with MS Word on Moodle.

The information in your paper should address a central thesis/argument that you will support with your evidence (which will be mostly genetic based as noted above). Subheaders to organize your information are highly encouraged.

Participation: In order to be prepared for each lecture you should read all of the assigned readings (both the textbook and articles) before class and take notes. While reading, pay particular attention to the main questions being asked, what theoretical background is being addressed, terms and concepts, and any critical omissions or questions regarding the work.

In order to obtain full participation credit, you will need to **submit a short paragraph or bulleted list that reviews each of the assigned readings and provides two possible discussion questions for each. These must be typed and submitted to class before we meet each week.**

During our final meeting, each student will be asked to present their research paper briefly to the class (~10 minutes). You will be asked to note the main source of evidence for your argument, as well as your conclusion of how individuals arrived and settled in the area you researched.

Code of Academic Misconduct

With regard to academic dishonesty, this class has a zero-tolerance policy and will promptly deal with any acts included therein (cheating, plagiarism, or unauthorized help on assignments, etc.) according to university policy. For further information on what falls into these categories see: http://life.umt.edu/vpsa/student_conduct.php. If you have questions or concerns, please feel free to contact the instructor.

Students with Disabilities

Students with disabilities may request reasonable modifications by contacting me. The University of Montana assures equal access to instruction through collaboration between students with disabilities, instructors, and Disability Services for Students (DSS). “Reasonable” means the University permits no fundamental alterations of academic standards or retroactive modifications. (For other options see <http://www.umt.edu/disability>).

COVID-19

Your Professor is fully aware of the worldwide pandemic taking place and asks that you be understanding and are flexible enough to handle changes that happen. This course is designed to be moved to remote teaching if necessary, in order to minimize all of our health risks, as well as interruptions to the course. That being said, there are personal concerns regarding your health. Please stay safe, wash your hands, and maintain social distancing. Additionally, please be sure to be mindful of your mental health—we are all struggling right now, so be as kind as possible and recognize that no one is in an idea situation (this goes for your classmates, fellow UM students, and your professors!). Should you or someone in your household become sick, please alert your Professor to ensure she is able to advise you regarding completing the semester. Other extenuating circumstances are understandable, and indeed expected.

Please email or set up an appointment to talk in order to ensure that your needs are being met. I am here for you to aid you in succeeding in this course, even if there is a lot going on in the world around us all!

Basic Needs Statement

Any student who faces challenges securing food or housing and believes that this could affect their performance in this course is urged to contact any or all of the following campuses resources. If you are comfortable, please feel free to email your Professor as well; I will do my best to help connect you with additional resources.

Food Pantry Program: UM offers a food pantry that students can access for emergency food. The pantry is open on Tuesdays from 9 to 2, on Fridays from 10-5. The pantry is located in UC 119. Pantry staff operate several satellite food cupboards on campus (including one at Missoula College). For more information about this program, email umpantry@mso.umt.edu, visit the pantry’s website (<https://www.umt.edu/uc/food-pantry/default.php>) or contact the pantry on social media (@pantryUm on twitter, @UMPantry on Facebook, um_pantry on Instagram).

ASUM Renter Center: The Renter Center has compiled a list of resources for UM students at risk of homelessness or food insecurity here: <http://www.umt.edu/asum/agencies/renter-center/default.php> and here: <https://medium.com/griz-renter-blog>. Students can schedule an appointment with Renter Center staff to discuss their situation and receive information, support, and referrals.

Course Calendar

Week & Date	Topic	Textbook Readings
1. August 20	Introduction & scheduling	Ioannidis article
2. August 27	Basic DNA introduction	
3. September 3	History of Molecular Anthropology	Chapter 1
4. September 10	Evolution & Speciation	Chapter 14
5. September 17	Mitochondrial & Y-Chromosome DNA	Paper topics selected
6. September 24	Ancient DNA	Chapter 13
7. October 1	Human Origins & Hominin Relations	Chapter 6
8. October 8	Human Diaspora	Chapter 9 & 10
9. October 15	Selection on Modern Humans	Chapter 15 & 17
10. October 22	Ancestry	
11. October 29	Molecular Forensic Approaches	Draft of Paper Due
12. November 5	Personal Genome Analysis & Ethics	Chapter 2 & 3
13. November 12	Student Presentations on Papers	
-- November 24	No class	Final Papers Due by noon

* Changes may occur to this syllabus and will be announced widely. Please keep a close eye on your email and Moodle.