BIO:141 Principles of Biology II
Final Research Paper Guidelines

This course does not have a cumulative final exam. Instead, you will complete a research paper for your final, and it will be assessed at 100 points (equivalent to an exam). The final research paper will be the assessment of your ability to research information as well as apply and interpret new information that builds upon the foundation acquired in this class. The library activities will assist you in your ability to do this work. One of the requirements of this paper is to use the library to gather information, both online and in-person. You will have the opportunity to learn how to do this as part of the class.

Format: Typed, 12-point font, double-spaced, one-inch margins with a title page. Edit & spell check. NOTE: Title page and bibliography at end of paper is not counted in paper length.

Graphs, tables, and pictures can be used (with proper citation, as appropriate), but cannot be included in the 10 page minimum paper length requirement.

Length: 10 pages minimum / 15 pages maximum

Sources: Find and use a minimum of 5 different information sources in print or digital format. Use a combination of books, journal articles and no more than two or three authoritative web sites (.gov. org or .edu web sites; check with instructor if in doubt).

Citation: Use APA or MLA citation style format, in-text references, and provide a References (APA) or Works Cited (MLA) bibliography at the end of your paper.

Help: Consult the Research Paper section in our Blackboard course site. Visit the campus Writing Lab Tutors, located in the Library near IR-205, past Reference area. Ask a Librarian for help using databases to find articles. Use the BIO 141 Library Course Guide, which provides research, evaluation and citation assistance.

Each student will be assigned a disease or genetic disorder that impacts humans by February 21, 2018. Your research paper must follow these specific guidelines; you must provide:

- background information on the disease/disorder, its discovery, and its diagnosis
- what parts of the body/organs/organ systems are affected and specifics on how they are affected
- what treatment(s) is/are possible for a patient who suffers from the disease or disorder
- what a patient’s prognosis is for the disease or disorder
- if there are any long-term effects or consequences following successful treatment, or if this is a life-long disease/disorder
  - This includes how the disease/disorder progresses as the individual ages
- what research is being done to further treatment, look for a cure, and/or create a vaccine
  - This includes genetic treatments like gene editing and gene therapy

You will want to use the knowledge gained from the textbook units on biology of human body systems. This content will be completed by early April, and thus you will have plenty of time to apply that knowledge to complete your research paper.

Due Date: The due date for the paper will be the day of the final that is scheduled by the college, which is 12:00 p.m. Wednesday May 9, 2018. Students may elect to email a copy of the paper as an attached file to the instructor in lieu of turning it in in person. Use BIO 141 Research Paper in the email subject line.

Late papers will not be accepted, and garner an automatic zero.