

## Northern Michigan University Honors Program Honors Contract Course Form

**Procedure:**

- 1) Discuss the project with your professor.
- 2) Attach a one-page description of how the contract course will be conducted beyond the normal course requirements including:
  - a) objectives
  - b) methods
  - c) assessment
- 3) Complete this form (*attaching your course syllabus*) and obtain signatures.
- 4) Submit this form and attachments to the Honors Program Office (145 Whitman Hall) by the second Friday of the semester.

Name \_\_\_\_\_ IN# \_\_\_\_\_

Street Address \_\_\_\_\_ City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_ Telephone \_\_\_\_\_

E-mail Address \_\_\_\_\_

Department Chemist-Biology Semester/Year 3rd yr

Course Title Genetics Course Number 80074 Credits 4

Professor Dr. Katherine Teeter Telephone kteeter@nmu.edu

Contract is due in the Honors Office (145 Whitman) by the second Friday of the semester.

Project is due to the professor on the date as agreed in the contract.

Signatures for Approval:

Student \_\_\_\_\_ Date 8/21/2020

Professor Katherine C. Teeter Date 8-21-2020

Honors Program Director \_\_\_\_\_ Date \_\_\_\_\_

Grade for Honors Contract Course \_\_\_\_\_

\* Honors credit will be awarded only with a grade of "B" or higher.

## **BI 312 Genetics**

### **Genetics of Cancer Research Paper**

The student will research and write a paper about cancer and the genetics. The goal is to use knowledge learned in class to build on other scientific findings that explore the role of genetics in cancer.

We will meet every two or three weeks throughout the semester to discuss the paper (4 or more meetings). This will also be a chance for the student to ask questions and clarify information. During the semester a description of the topic, a list of (at least 8) references and an outline will be turned in to evaluate the student's progress. Towards the end of the semester a draft will be turned in and evaluated. Then the student will have a chance to revise the paper and incorporate the professor's comments before turning in a final draft.

This coursework will build on information learned in class and delve deeper into how genetics plays a role in cancer. A key part of this assignment will be in narrowing down this general topic to a more targeted subject such as genetic testing to aid diagnosis, targeted therapies or specific cancers. In addition, the research aspect of this paper will include interpreting scientific papers and citing them correctly. The paper will be a minimum of eight pages.