

APPLICATION FOR SCIENCE AND TECHNOLOGY INTENSIVE COURSE DESIGNATION

Science and Technology: Students will learn to explain how science and technology influence each other and how both can be used to explore natural and human-created systems.

Course Proposed: _____
Course Number Course Title

If this course required a description change for this application, please check here: _____

PROPOSER:

1. Complete the following section and attach documentation (course description, assignments, sample syllabi, performance objectives, and/or other source of evidence) to show that the course meets **all of the necessary criteria**. Check the criteria on this form and indicate on your documentation the associated criteria by number.
2. Submit the form, signed by the appropriate department chairperson or program coordinator and the dean in your area, for approval by April 18, 2017 to either of the Core Academic Skills Committee co-chairs – Suzanne Van Wert or Elle Yarborough.

CRITERIA:

Courses that can be used to fulfill the Science and Technology requirement must meet the criteria below.

- _____ 1. One assignment will be given that does the following:
At least one activity where students discuss the attributes of science and/or technology, i.e. what science and technology are.
- _____ 2. Assignments in the course will include:
At least one activity where students evaluate the validity and limitations of science and technology claims in news reports, text books and magazine articles.
- _____ 3. One or more assignments will require students to perform:
An activity where students relate what they are learning in the classroom about science and technology to their personal lives, and/or community.
- _____ 4. One or more assignments will require students to:
Demonstrate and apply knowledge of major scientific or technological concepts under study.
- _____ 5. One assignment will be given that does the following:
At least one activity where students participate in the analysis of a lab experiment, technological article, or case study with an appropriate hypothesis and conclusion.

INTENDED STUDENT LEARNING OUTCOMES – Recommended to be included on course syllabi along with any other course-specific outcomes:

Students will have the opportunity to develop knowledge and/or skills concerning the ability to:

1. Demonstrate basic knowledge of major concepts related to science and technology. *Includes: current theories, historical and data trends, empirical findings.*
2. Be able to critically read, evaluate and interpret research findings and/or theories and draw reasonable conclusions. *Includes: supporting or rejecting a hypothesis or theory, analyzing case studies, providing alternative explanations.*
3. Transfer, adapt, and apply prior knowledge to science and technology related issues and develop new understanding.
4. Be able to identify reliable sources of information from a variety of resources. *Includes: library, websites, journals, magazines, newspapers, etc.*

Further Justification/Explanation

If the course description and/or attached documentation do not clearly demonstrate that the proposed course meets all of the criteria for the designation, please provide further explanation here as to how the course fulfills the requirements above.

Please provide the name and contact information for a faculty member that can answer questions and serve as a point of contact for this application: _____

Signatures of Approval:

Department Chairperson/Program Coordinator Date

Supervising Dean/Assistant Dean Date

Committee Chairperson Date