

CORE Course Proposal Form
for
TRADITIONAL LAB SCIENCE/ALLIED SCIENCES

The intent of **Traditional Lab Science/Allied Sciences** core area courses is to provide students with opportunities to further develop their understanding and appreciation of physical and natural processes, as well as the scientific theories and methodologies used to describe them.

Please indicate the sub-area that this course is proposed to fulfill:

Traditional Lab Science

Allied Sciences

SUBMITTED BY: _____

DEPARTMENT: _____

COURSE NUMBER AND NAME: _____

NUMBER OF CREDITS: _____

PREREQUISITES: _____

CATALOG DESCRIPTION OF COURSE

(To include attributes common to all sections of this course, regardless of instructor and semester offered.)

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COURSE OBJECTIVES

Specify how the proposed course would enable students to accomplish all of the following objectives:

1. Please provide specific examples of how the course will help students identify and understand the scientific theories and processes of the physical environment and the natural world.

2. Please provide specific examples of how the course will help students employ scientific methodology.

3. Please provide specific examples of how the course will help students recognize, understand and appreciate the ethical issues and societal impact of scientific endeavors.

4. Please provide specific examples of how the course will help students recognize and understand the relationships of scientific theories and concepts to human behavior and development.

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(Use appropriate category.)

COURSE REQUIREMENTS (TRADITIONAL LAB SCIENCE)

For courses proposed for the Traditional Lab Science sub-area, specify how the course would meet **all** of the following requirements:

1. Please provide specific examples of how the course will introduce and reinforce the vocabulary, elements and concepts of science.

2. Please provide specific examples of how the course will introduce and demonstrate how to utilize the tools and techniques for scientific methodology.

3. Please provide specific examples of how the course will provide a laboratory experience, in which students are required to formulate questions, develop hypotheses, design and conduct experiments, analyze and interpret data, and prepare scientific reports.

4. Please provide specific examples of how the course will promote and develop an understanding of the implications of scientific results upon society.

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COURSE REQUIREMENTS (ALLIED SCIENCES)

For courses proposed for the Allied Sciences sub-area, specify how the course would meet **one or more** of the following requirements:

1. Please provide specific examples of how the course will develop techniques to apply the tools and methods of scientific inquiry.

2. Please provide specific examples of how the course will promote analytical reasoning by devising scientifically sound, logical approaches to test hypotheses.

3. Please provide specific examples of how the course will reinforce scientific procedures that enable students to identify the impacts of scientific endeavors on society.