

COURSE OUTLINE

Revision: Mike Steffancin, May 2008

DEPARTMENT: Academic Programs

CURRICULUM: The Natural World

COURSE TITLE: Independent Study

COURSE NUMBER: PHYS 299

TYPE OF COURSE: Academic Transfer
Special Requirement Met: None

AREA(S) OF KNOWLEDGE: None

COURSE LENGTH: 1 quarter

CREDIT HOURS: Variable 1 to 5

LECTURE HOURS: 1 - 55

LAB HOURS: Variable to 165

CLASS SIZE: Variable

PREREQUISITES: Instructor's permission

COURSE DESCRIPTION:

Independent work in physics laboratory and/or library.

PHYS 299 Independent Study
May 2008

STUDENT LEARNING OUTCOMES ADDRESSED:

Due to the nature of this course, i.e., a course designed for specific requirements, the following are important components:

1. Computation – Identify, interpret, and utilize higher level mathematical and cognitive skills
2. Critical Thinking and Problem Solving – Think critically in evaluating information, solving problems and making decisions.
3. Technology – Select and use appropriate technological tools for personal, academic and career tasks.
4. Personal Responsibility – Be motivated and able to continue learning and adapt to change.
5. Information Literacy – Access and evaluate information from a variety of sources and contexts, including technology. Use information to achieve personal, academic, and career goals, as well as to participate in a democratic society.

GENERAL COURSE OBJECTIVES:

To be determined by the contracting parties with SSCC

TOPICAL OUTLINE:

To be determined by agreement between the requesting parties and SSCC

REVISED BY: Mike Steffancin
DATE: May 2008

Course Prefix and Number: PHYS 299
 Course Title: Independent Study Physics

SLO #	Included in Course Objective Number	SSCC Student Learning Outcomes
SLO 1.1	*	Communication - Read and listen actively
SLO 1.2	*	Communication - Speak and write effectively
SLO 2.1	*	Computation - Use mathematical operations
SLO 2.2	*	Computation - Apply quantitative skills
SLO 2.3	*	Computation - Identify, interpret, and utilize higher level mathematical and cognitive skills
SLO 3.1	*	Human Relations - Use social interactive skills to work in groups effectively
SLO 3.2	*	Human Relations - Recognize the diversity of cultural influences and values
SLO 4.1	*	Critical Thinking and Problem Solving -
SLO 5.1	*	Technology - Select and use appropriate technological tools
SLO 6.1	*	Personal Responsibility - Be motivated and able to continue learning and adapt to change
SLO 6.2	*	Personal Responsibility - Value one's own skills, abilities, ideas and art
SLO 6.3	*	Personal Responsibility - Take pride in one's work
SLO 6.4	*	Personal Responsibility - Manage personal health and safety
SLO 6.5	*	Personal Responsibility - Be aware of civic and environmental issues
SLO 7.1	*	Information Literacy - Access and evaluate information
SLO 7.2	*	Information Literacy - Use information to achieve personal, academic, and career goals, as well as to participate in a democratic society

* Variable. It depends on the topic studied.

PREPARED BY: Mike
 Steffancin
 DATE: August 2008