

COURSE OUTLINE

Revision: Mike Steffancin, February 2008

DEPARTMENT:	Academic Programs
CURRICULUM:	The Natural World
COURSE TITLE:	Independent Study
COURSE NUMBER:	ENGR 299
TYPE OF COURSE:	Academic Transfer
COURSE LENGTH:	1 quarter
CREDIT HOURS:	Variable 1 to 5
LECTURE HOURS:	0
LAB HOURS:	0
CLASS SIZE:	Variable
PREREQUISITES:	Instructor's permission

COURSE DESCRIPTION:

Independent study of approved engineering topics.

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 engineering problems and making decisions.
3. Technology – Select and use appropriate technological tools for personal, academic and engineering tasks.
4. Personal Responsibility – Be motivated and able to continue learning and adapt to change.

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STUDENT LEARNING OUTCOMES ADDRESSED: (cont.)

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 contracting parties with SSCC.

TOPICAL OUTLINE:

APPROX. HOURS

To be determined by agreement between requesting party and SSCC. Variable

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DATE: February 2008

ENGR 299

Course Prefix and Number: ENGR 299
 Course Title: Independent Study

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: May 2008