

BUTTE COLLEGE

COURSE OUTLINE

I. CATALOG DESCRIPTION

ENGR 97 - Special Problems-ENGR

1 - 3 Unit(s)

Prerequisite(s): Permission of instructor

Recommended Prep: NONE

Transfer Status: CSU

Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51–153 hours Independent Study. Students may enroll in this course up to 3 unit(s) to complete the entire curriculum of the course.

II. OBJECTIVES

Upon successful completion of this course, the student will be able to:

- A. Develop a set of research notes based on personal observations, readings, discussions and media presentations. Notes must be orderly, legible and meaningful for future reference, and include analytical questions.
- B. Produce a summary research report with supporting notes that is orderly, legible and meaningful for future reference; including an index and bibliography.
- C. Draw from their notes sufficient data as to be able to write a logically ordered analytical essay of at least 1,500 words in a proper research-paper form, on a chosen topic that is pertinent to the special study theme.

III. COURSE CONTENT

A. Unit Titles/Suggested Time Schedule

		Lab	
<u>Topics</u>			<u>Hours</u>
1.			51.00 - 153.00
a.	Identification of the problem/study		
b.	Conducting the study		
c.	Work in progress		
d.	Final analyses and conclusion		
Total Hours			51 - 153

IV. METHODS OF INSTRUCTION

- A. Discussion
- B. Problem-Solving Sessions
- C. Reading Assignments

V. METHODS OF EVALUATION

- A. Research Projects
- B. Portfolios
- C. Oral Presentation
- D. Demonstration
- E. Essays and research papers

VI. EXAMPLES OF ASSIGNMENTS

A. Reading Assignments

1. Identification of a reasearch project which will include extensive reading, writing (1,500 words minimum), and a presentation of completed work to the instructor.

B. Writing Assignments

1. Identification of a reasearch project which will include extensive reading, writing (1,500 words minimum), and a presentation of completed work to the instructor.

C. Out-of-Class Assignments

1. Not applicable.

VII. RECOMMENDED MATERIALS OF INSTRUCTION

Materials Other Than Textbooks:

- A. The materials will vary depending upon the specialized project of each student.

Created/Revised by: Current Curriculum Chair

Date: 08/26/2013