ESG 300 Writing in Engineering Science (Required)

ESG 300 WRITING IN ENGINEERING SCIENCE (REQUIRED)

Credit: 0 ; S/U Grading

COURSE CATALOG DESCRIPTION:

See Requirements for the Major in Engineering Science, Upper-Division Writing Requirement.

PRE- OR COREQUISITE(S): WRT 102; ESG major; U2 standing, Co-requisite: ESG 312

TEXT(S) OR OTHER REQUIRED MATERIAL:

Sorby and Bulleit, ISBN#0130482420, An Engineer's Guide to Technical Communication

Course Learning Outcomes	SOs	Assessment Tools
Effectively write documents and reports to express engineering and scientific results.	G	Lab reports
Effectively create graph/plot data to express the same.	G	Lab reports
Effectively create tables of data to express the same.	G	Lab reports
Effectively deliver oral presentations to express the same.	F,g,I,j	Group presentation
Evaluate the above work of other engineers to improve the above expression.	F,g,I,j	Group presentation

COURSE TOPICS:

Writing guidelines and stylistic elements for technical manuscripts.
The most common errors in the above documents.
Acceptable formats for figures and tables in refereed journals and similar publications.
The most common errors in the above.
The style, format, and content of engineering oral-presentations to achieve clear, complete, correct, concise, and compelling communication of results.
Mechanism of critique and feedback for documents and oral presentations.

CLASS/ LABORATORY SCHEDULE

This course meets weekly in conjunction with the laboratory, named ESG312.

CURRICULUM

This course contributes 0 credit hours in the Other category.

STUDENT OUTCOMES (SCALE 1-3):

A	B	C	D	E	F	G	H	I	J	K
					1	3		1	1	

3 – Strongly supported   **2 – Supported**   **1- Minimally supported**

LEAD COORDINATOR(S) WHO PREPARED THIS DESCRIPTION AND DATE OF PREPARATION:

Jim Quinn 05/21/10