

AE 2611 – Technical Communications for Aerospace Engineers

HOURS: 1-0-1

CATALOG DESCRIPTION:

Development of technical communications skills required by aerospace engineers. Includes written, oral and visual communication methods.

CO-REQUISITE:

AE 2610 Introduction to Experimental Methods in Aerospace

COURSE OBJECTIVES:

Develop necessary written, oral, and visual technical communications skills required by aerospace engineers to be effective communicators in a professional environment.

LEARNING OUTCOMES:

Students will be able to:

1. Create effective graphics to communicate technical data/information
- 2.
3. Organize and write an effective technical report
4. Prepare and deliver an effective oral presentation

TOPICAL OUTLINE:

<i>Topics</i>	<i>Lecture Hours</i>
1. Course overview and initial writing assessment	1
2. Elements of effective technical writing; how to critique/edit	1
3. Elements of effective graphics/plots	1
4. Organization of a technical report; planning to write a technical paper; how to avoid the blank page problem	1
5. Reporting data – how to write about data; effective use of connectors	2
6. Elements of effective memos and progress reports	1
7. Elements of effective proposals and emails	1
8. Elements of effective oral technical presentations	2
9. Organizing and planning a technical oral presentation	2
10. Course review and final writing assessment	1