**AE 2611 – Technical Communications for Aerospace Engineers**

**Hours:** 1-0-1

**Catalog Description (25 words or fewer):**

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

**Co-requisite:**

AE 2610

**textbooks:**

Class notes.

**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. Improve technical writing and editing skills through practice
3. Organize and write an effective technical report
4. Prepare and deliver an effective oral presentation

**topical outline:**

***Topics Lecture Hours***

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; 1  
   how to avoid the blank page problem
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