

**COURSE TITLE:** Problems in Aerospace  
**COURSE NUMBER:** AERO 4071  
**COURSE SEMESTER CREDIT HOURS:** Three Hours  
**INSTRUCTORS NAME:** Nate Callender  
**CONTACT INFORMATION:**

Offices: BAS S116, S240  
Office Phone: (615) 898-5983  
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**Textbooks and Materials:**

Publication Manual of the APA, 6<sup>th</sup> Ed. (Required)      Cloud or USB Storage (Suggested)  
Publisher: American Psychological Association

**Method of Presentation:**

Independent study

**Method of Evaluation:**

Research Proposal                      15%  
Research Project                        85 %

**Grading Scale:**

90 – 100                      A  
80 – 89                        B  
70 – 79                        C  
60 – 69                        D  
Below 60                      F

**Course Objectives:**

1. Students will demonstrate the ability to perform independent research on an approved topic over the course of the semester
2. Students will demonstrate the ability to use data gathering and manipulation techniques and technology appropriate to their project
3. Students will demonstrate the ability to analyze and interpret data
4. Students will demonstrate the ability to effectively communicate technical content in writing using appropriate aviation terminology

**ADA Statement:**

Reasonable Accommodations for Students with Disabilities: If you have a disability that may require assistance or accommodations, or if you have any questions related to any accommodation for testing, note taking, reading, etc., please speak with me as soon as possible. You may also contact the Office of Disabled Student Services (898-2783) with any questions about such services.

**Attendance:**

N/A

**Policy Regarding Make-Up Work:**

N/A

**Research Project:**

An independent study research project is to be conducted and documented in a report due in a D2L dropbox by 11:59 p.m. on April 29<sup>th</sup>, 2015. The student will initiate the project by seeking initial approval of a research topic by meeting with the professor of the course. The student is responsible for scheduling this meeting. The student will then submit a formal proposal (APA formatted, 4-5 pages to include the title and references pages, no abstract). The proposal must include the following sections: research goal, background information, and method. The proposal is due in a D2L dropbox by 11:59 p.m. February 13<sup>th</sup>, 2015. Mandatory student/faculty weekly consultations will be scheduled by the student. The final report is to be APA formatted and no less than ten pages in length. In addition to the sections in the proposal, the final report will include results and conclusions sections.

**Tennessee Education Lottery Scholarship:** See catalog for eligibility.

To retain Tennessee Education Lottery Scholarship eligibility, you must earn a cumulative TELS GPA of 2.75 after 24 and 48 attempted hours and a cumulative TELS GPA of 3.0 thereafter. You may qualify with a 2.75 cumulative GPA after 72 attempted hours (and subsequent semesters), if you are enrolled full-time and maintain a semester GPA of at least 3.0. A grade of C, D, F, FA, or I in this class may negatively impact TELS eligibility. Dropping or stopping attendance in a class after 14 days may also impact eligibility; if you withdraw from or stop attending this class and it results in an enrollment status of less than full time, you may lose eligibility for your lottery scholarship. Lottery recipients are eligible to receive the scholarship for a maximum of five years from the date of initial enrollment, or until reaching 120 TELS attempted hours or earning a bachelor degree. For additional Lottery rules, please refer to your Lottery Statement of Understanding form

<http://mtsu.edu/financialaid/forms/Lottery%20Statement%20of%20Understanding%202013-14.pdf> or contact the Financial Aid Office at 898-2830.

#### **Academic Misconduct:**

Middle Tennessee State University takes a strong stance against academic misconduct. Academic Misconduct includes, but is not limited to, plagiarism, cheating, fabrication, or facilitating any such act. For purposes of this section, the following definitions apply:

- (1) **Plagiarism:** The adoption or reproduction of ideas, words, statements, images, or works of another person as one's own without proper attribution. This includes self-plagiarism, which occurs when an author submits material or research from a previous academic exercise to satisfy the requirements of another exercise and uses it without proper citation of its reuse.
- (2) **Cheating:** Using or attempting to use unauthorized materials, information, or study aids in any academic exercise. This includes unapproved collaboration, which occurs when a student works with others on an academic exercise without the express permission of the professor. The term academic exercise includes all forms of work submitted for credit or hours.
- (3) **Fabrication:** Unauthorized falsification or invention of any information or citation in an academic exercise.

To be clear: going online and taking information without proper citations, copying parts of other student's work, creating information for the purposes of making your paper seem more official, or anything involving taking someone else's thoughts or ideas without proper attribution is **academic misconduct**. If you work together on an assignment when it is not allowed, it is **academic misconduct**. If you have a question about an assignment, please come see me to clarify. Any cases of academic misconduct will be reported to the Office of Academic Affairs for violating the academic honesty requirements in the student handbook. They will also result in failure for the course. Remember – ignorance is NOT a defense.