

AE 1350B/C: Introduction to Aerospace Engineering

Fall Semester 2008

- Instructor:** Dr. Eric N. Johnson
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415-2 Knight Building
- Class Schedule:** (1350B) TTh 12:05 – 12:55 pm, ESM 201
(1350C) TTh 3:05 – 3:55 pm, Weber SST III
- Textbook:** Required: Anderson, John D., *Introduction to Flight*, 6th edition, McGraw-Hill, 2008.
- Instructor Office Hours:** TTh 2:05 – 2:55 pm
- TA:** TBD
- TA Office Hours:** TBD
- Course web site:** <http://www.ae.gatech.edu/~ejohnson/ae1350-Fall2008>
- Prerequisites:** None

Course Overview:

AE 1350 provides an introduction to the field of aerospace engineering through a discussion of basic principles, aerospace disciplines and aerospace systems. Course content includes a historical perspective followed by an introduction to fluid mechanics, applied aerodynamics, propulsion, airplane performance, stability, orbital motion, and launch vehicle performance. Guest speakers will discuss recent advances in aerospace.

Grading:

The course grade will be based on the homework, 2 quizzes, team report and final exam

Quizzes – Quiz #1, September 25, 2008
Quiz #2, November 4, 2008

Team Report – Dec 4

Final – (AE1350B) Dec 12th (Fri) 8:00 - 10:50
(AE1350C) Dec 11th (Thu) 11:30 - 2:20

The overall grade will be determined using the following percentages:

Homework	20%
Quizzes (2)	30% (15% each)
Team Report	25%
Final	25%

Grades between 90% and 100% will be an A; 80% to 89.99% will be a B; etc. Class attendance and participation may be considered in borderline cases.

No late homework assignments or projects will be accepted. Homework should be legible, professional and demonstrate all important steps in the solution. Clearly indicate your final answer by enclosing it in a box. Be sure to indicate units. Deductions will be made for improper homework format.

Overall academic conduct is governed by the Georgia Tech Honor Code (<http://www.honor.gatech.edu>). The intent of the Honor Code is to prevent any student from gaining an unfair advantage over other students through academic misconduct. Students are expected to act according to the highest ethical standards. Students should review the Honor Code and be familiar with its expectations regarding cheating, misrepresentation of student work, and plagiarism. Students shall commit to uphold the ideals of honor and integrity by refusing to betray the trust bestowed upon them as a member of the Georgia Tech community.

In this course, students are encouraged to meet in small groups outside the classroom to discuss course-related topics and issues. Discussion of homework problems is acceptable. However, no sharing of any part of a homework solution is allowed. Eavesdropping, copying or stealing of another individual's intellectual content is not permitted. Plagiarism from past editions of this course is also prohibited.

Students found in violation of the Honor Code will face significant reductions in their course grade and be referred to the VP of Student Affairs for disciplinary action.

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