

Statics
ENCE 2350 - 002

Instructor: Dr. Robert Mahon,
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Meeting times: Monday, Wednesday, 09:30-10:45 EN315
Office Hours: Monday 11:00-13:00 in GP1062, Wednesday 11:00-13:00 in EN822
Final Exam Time: Friday May 8th, 10:00-12:00

Learning objectives: Students will learn to solve problems relating to vectors; two-dimensional and three-dimensional force systems; equilibrium; friction; centroids; mass moments of inertia; and second moments of areas using free body diagrams.

Course Text and Online Module: This course will rely heavily upon your use of the McGraw Hill Connect course site for the textbook Beer, Johnston, Mazurek, Cornwell, and Self, Vector Mechanics for Engineers 12e. You will have access to the online module by logging in to McGraw Hill Connect using your UNO email address, after clicking on the link from the Moodle course page, found under Course Dashboard.

Course Evaluation

Grading: Class grade: 90% or above = A; 80-89.9% = B; 70-79.9% = C; 60-69.9% = D; 59.9% or less = F.

*Course grades may be subject to adjustment to a curve if grade distributions warrant it.

Extra Credit: A small extra credit assignment may be offered. This will depend on course progress.

Exams (300 points): There will be four exams throughout the semester. Exam 1 will cover chapters 2-3. Exam 2 will cover chapters 4 and 6. Exam 3 will cover chapters 5, 7, and 9. The final exam will be comprehensive, covering chapters 2-9. Expect the final exam to comprise problems similar to those seen on the previous exams, quizzes, and homeworks. Each exam will be worth 100 points and students will be able to drop their lowest score of the four exams, including the final exam. Students entering into the final exam satisfied with their overall course grade may elect to drop the final exam score without attending and completing the final exam.

Homeworks (~140 points): Homework will be assigned approximately every week. These homework assignments will consist of approximately 5 problems to be submitted electronically through the Connect course site. Students will have unlimited attempts to complete each assigned homework online within the assigned period. Homeworks will be worth 5 points each. Students will then turn in their hand-written solutions in standard engineering format at each exam date to be individually checked (1 point each problem).

Quizzes (~80 points): Quizzes will be assigned from each chapter's materials, worth 10 points each. These quizzes will be completed online and will be open book/open note. Quizzes will be timed and students will be expected to work on their own.

LearnSmart Readings (~20 points): You will be expected to do each chapter reading in the online LearnSmart module, starting with Chapter 1. Each completed chapter reading will be worth 2 points.

Late Assignment Policy: Any assignment turned in after the specified due date (at the beginning of class) will be considered late. An assignment not handed in by its due date will not be accepted without a valid University excuse. Make-ups will only be given for verifiable written excuses specifically recognized by the University (illness of the student, or of an immediate family member, death of an immediate family member, participation on trips related to certain University functions, major religious holidays). If you miss any classes, you must promptly notify me to make up the material. Make-ups after one week has passed will be permitted only under extenuating circumstances.

Class Attendance: Class attendance is considered mandatory, except in the case of University approved absence.

Academic Honesty: Academic integrity is fundamental to the process of learning and evaluating academic performance. Academic dishonesty will not be tolerated. Academic dishonesty includes, but is not limited to, the following: cheating, plagiarism, tampering with academic records and examinations, falsifying identity, and being an accessory to acts of academic dishonesty. Refer to the Academic Dishonesty Policy (<http://www.uno.edu/student-affairs/documents/academic-dishonesty-policy-rev2014.pdf>) for further information. The University policies and procedures regarding academic dishonesty are clearly defined in the University Code of Conduct: <http://www.uno.edu/student-affairs/documents/Student-Code-of-Conduct-rev-7-16.pdf>

Students with disability: It is University policy to provide, on a flexible and individual basis, reasonable accommodations to students who have disabilities that may affect their ability to participate in course activities or to meet course requirement. Students with disabilities should contact the Office of Disability Services (LIB 120) as well as their instructors to discuss their individual needs for accommodations. See the UNO Policy for Students with Disabilities at <http://www.ods.uno.edu/>