
Machine Design Analysis

ME 356

University of Washington, Seattle

Winter Quarter 2016

Location: MEB 238
Bagley 261

Time: 9:30-10:50am TTh
2:30-5:20pm Th

Instructor: Nathan J. Sniadecki
Associate Professor
Albert Kobayashi Professor of Mechanical Engineering
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Website: <http://courses.washington.edu/nsniadec/ME356/W16>

Description: Analysis, design, and selection of mechanical and electromechanical subsystems and elements, such as gears, linkages, cams, motors, and bearings.

Prerequisites: ME 354 – Mechanics of Materials Laboratory

Textbook: Budynas, R. G. & Nisbett, J.K., 2014, *Shigley's Mechanical Engineering Design, 10th Edition*, McGraw Hill, Upper Saddle Ridge, NJ (ISBN: 0131863126)

Grading: Homework (20%), Exam 1 (20%), Exam 2 (20%), Exam 3 (20%), Project (20%)

Course Policies:

Lectures: Please consider the learning mission of the course and refrain from activity that is disruptive during the lectures.

Homework: Please complete your assignments on engineering paper. Homework will be collected by the professor at the start of class on its due date. Do not turn in your homework to the ME front office, the professor's office, or to the TAs. Late homework will be assessed a penalty: 20% off if 0-24 hours late or 50% off if 24-48 hours late. Late homework will not be accepted after 48 hours.

Collaboration: Homework collaboration is permitted if both students acknowledge there was shared effort. If so, please list your collaborators on your homework.

Exams: Hard copies of the textbook, pages from the textbook, and engineering calculators are permitted. Materials brought to the exam are subject to inspection. Only under proven and extraordinary circumstances will a makeup exam be permitted.

There is zero-tolerance for cheating or plagiarism. Please refer to the Academic Misconduct Policy.

<https://www.engr.washington.edu/mycoe/am/ampolicy>

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