Machine Design Analysis

ME 356 University of Washington, Seattle

Winter Quarter 2017

Location:	More 220 Bagley 260		Time:	Tu/Th Th	9:30-10:50am 2:30-5:20pm	
Instructor:	Prof. Nathan J. Sniadecki Associate Professor Associate Chair Mechanical Engineering Adjunct in Bioengineering Office: MEB 318 Lab: Brotman 442 Email: nsniadec@uw.edu	5	Office	Hours: Tu Tu We	12:30-1:30pm 1:30-2:30pm 2:30-3:30pm	(Prof, MEB 318) (TAs, MEB 236) (TAs, MEB 236)
TAs:	0 0 0	kahng@uw.edu xa86@uw.edu				
Website:	http://courses.washington.edu/nsniadec/ME356/W17					
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, <i>Shigley's Mechanical Engineering Design</i> , 10 th Edition, McGraw Hill, Upper Saddle Ridge, NJ (ISBN: 0131863126). Older versions or international versions are not supported. Use them at your own risk.					
Grading:	Homework (20%), Exam 1 (20%), Exam 2 (20%), Exam 3 (20%), Project (20%) Grade Scale: 95% = 4.0, 90% = 3.5, 85% = 3.0, 80% = 2.5, 75% = 2.0					

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 in class on Thursdays at 9:30am. 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: 25% off if 0-24 hours late or 50% off if 24-48 hours late. Late homework will not be accepted after 48 hours. Please make arrangements with Prof. Sniadecki to submit late homework.

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

Exams: The three exams will be open book. 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

SafeCampus:

Preventing violence or self-harm is everyone's responsibility. If you're concerned for yourself or a friend, call SafeCampus @ 206-685-SAFE (7233).

Always call 911 if you or others may be in urgent danger.

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For more information visit the SafeCampus website at www.washington.edu/safecampus.