

**Course Number:** MECH 4240 Semester: Summer 2017

**Course Title:** Comprehensive Design I

**Credit Hours:** 2 (LEC 1, LAB 3)

**Prerequisites:** MECH3230, MECH3AA0, and passing grade in at least one of the following: MECH3040, MECH3050, MECH3140

**Prerequisites with Concurrency (Co-requisite):** The remaining two of the set of three: MECH3040, MECH3050, MECH3140

**Class Schedule:** Lec/Lab: Shelby 1126 MWF 1:15 – 2:30

**Instructor:** Dr. David Beale, Ph.D., P.E., Mechanical Engineering Dept., 3418C Wiggins, 844-3336, [bealedg@auburn.edu](mailto:bealedg@auburn.edu). Office Hours: MWF 9:00 – 10:00, and by appointment.

**Teaching Assistants:** Ross Lambert, [tr10007@tigermail.auburn.edu](mailto:tr10007@tigermail.auburn.edu), Amanda Skalitzky, [ams0110@tigermail.auburn.edu](mailto:ams0110@tigermail.auburn.edu), by appointment (ordering, technical assistance, peer reviews), Kyle Kubik, [kak0032@tigermail.auburn.edu](mailto:kak0032@tigermail.auburn.edu), by appointment (project room TA)

**Prerequisite Examination:** Per B.M.E. program policy, an examination will be given in the first full week of class to test students' proficiency and retention of prerequisite material from MECH3230.

**Website:** General information and some course material will be posted at: <http://www.eng.auburn.edu/users/bealedg/MECH4240-50/>

**Textbooks:** None

**Grading and Evaluation Procedures:** 90-100 A, 80-90 B, 70-80 C, 60-70 D, <60 F

Graded Event	%	Comment
<b>Prerequisite Exam</b>	5%	Based on MECH3230 material, open book/open notes, calculator needed.
<b>Systems Engineering Quiz</b>	5%	Based on lecture material
<b>Design Notebook</b>	5%	Graded by technical advisor, kept up by scribe
<b>Midterm Review:</b>		
• Sponsor Grade	10%	• Grade Form for Industrial Sponsor, Overlord in special situations
• Report (6%)/Oral Comm. Rubric(4%)	10%	• Report is graded by report grader. Clip CODs to the back of your report (✓ or no ✓, by manager/tech. adv.)
<b>Final Review:</b>		
• Sponsor Grade	15%	• Grade Form for Industrial Sponsor, Overlord in special situations
• Report (10%)/Oral Comm. Rubric (5%)	15%	• Graded by report grader. Clip CODs to the back of your report. (✓ or no ✓ by manager/tech. adv.)
<b>Peer Review</b>	25%	A student with a score that is the same as the group average receives the same grade as weighted average of Midterm Review and Final Review.
<b>Attendance</b>	10%	-3% for each unexcused absence

### **Accessibility:**

The policy of Auburn University is to provide accessibility to its programs and activities, and reasonable accommodation for persons defined as having a disability under Section 504 of the Rehabilitation Act of 1973, as amended, and the Americans with Disabilities Act of 1990. Students needing special accommodations should see the instructor as soon as possible, or contact the Students with Disabilities Program office at (334) 844-5943 (Voice/TT).

### **Academic Honesty:**

All portions of the **Auburn University Student Academic Honesty Code**, as found in the *Tiger Cub* and defined in the SGA Code of Laws, Title XII, will apply in this class.

<http://web6.duc.auburn.edu/tigercub/rules/section1.pdf> ; [http://www.auburn.edu/tigercub/rules/code\\_of\\_laws.doc](http://www.auburn.edu/tigercub/rules/code_of_laws.doc)