

**ECE311: Feedback and Control**

(Fall 2009)

**Instructor:** R. Tymerski, FAB 160-18.
Office Hours: see web site www.ece.pdx.edu/Faculty/Office_Hours.php
Web site: www.ece.pdx.edu/~tymerski

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**Course Learning Objectives:**
1) To apply classical control theory principles to the design of control systems.
2) Demonstrate proficiency with software that aids in the design process.


**Grading:**
- Quizzes (3): 90%
- Software project: 10%

**Quizzes:**
- Quiz #1 (30%): Week 5
- Quiz #2 (30%): Week 8
- Quiz #3 (30%): Week 11 (check final exam schedule)

No make-up exams will be given. All quizzes are comprehensive.

**Content:** This course introduces classical control theory for the feedback design of continuous time SISO systems. The material covered is in Chapters 1 to 7 of the text. Not all material in these chapters will be covered.

**Notes:**
1) A set of notes is available at the course website: www.ece.pdx.edu/~tymerski

2) Recommended exercise problems will be given which students are expected to do, *as a minimum*. The solutions to all problems in the form of the solutions’ manual for the text is available at the ECE311 section of the instructors web site.

3) Please be aware that one or more of the quizzes may be in the form of multiple choice questions. In which case each student is expected to bring the appropriate answer sheet and writing implement (which can be pre-purchased from the bookstore).