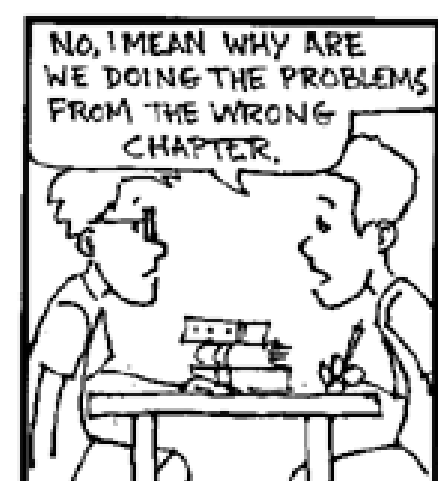
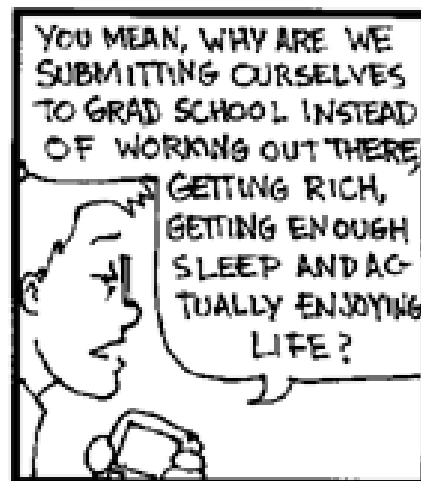
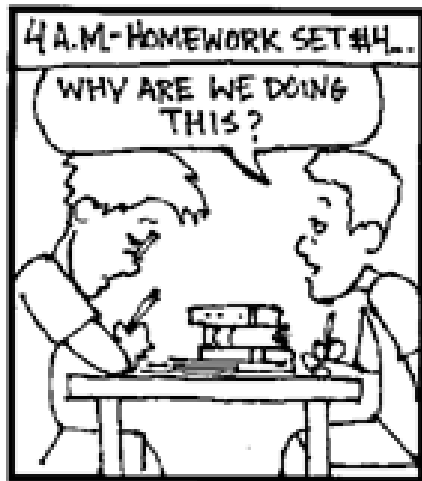

Fall 2008 WSU Electrical Engineering & Computer Science Welcome Party



Today's Schedule

- Welcome by the Department Chair, Dr. Sawan
 - Introduction to EECS Graduate Programs
 - Electrical Engineering MS, Dr. Watkins
 - Computer Science MS, Mr. Jackson
 - Research Areas within the EECS Department
 - Introduction to the EECS Faculty and their Research Facilities
 - Questions & Answers
 - Pizza and Informal Mixing
-

Department Chair Welcome



Dr. Sawan



Introduction to MS in Electrical Engineering

- 1) The **thesis** option requires a minimum of 24 hours of course work plus a minimum of 6 hours of thesis.
 - 2) The **directed project** option requires a minimum of 30 hours of course work plus a minimum of 3 hours of directed project.
 - 3) The **course work** option requires a minimum of 33 hours of course work plus an exit exam.
-

Plan of Study (POS)

- Specifies course that you need to complete to graduate
 - Must be filed with your adviser before completing the first 12 credit hours of graduate work
 - Full time graduate students should file POS this semester
 - At least 60% of course work must be 700-level or above
-

POS continued

- No more than 6 hours of *ECE 790 Independent Study* are allowed
 - *CESP 750D Engineering Research Writing* is not allowed for students doing the course work option
 - POS form can be found at http://webs.wichita.edu/?u=ece&p=/Graduate_Forms
-

POS Warnings

Please avoid the following before consulting your adviser

- Taking more than 2 courses outside of EECS
 - Taking courses outside of Engineering, Mathematics, and Computer Science
 - Taking similar courses in two different departments. For example, *ME 659 Mechanical Control Systems* and *ECE 684 Introductory Control System Concepts*
-

More POS warnings

Please avoid the following before consulting your adviser

- Taking courses that you had as a undergraduate. Examples might include:
 - ECE 684 or ME 659 if you had an introductory controls course
 - ECE 586 Introduction to Communication Systems
 - ECE 594 Microprocessor Based System Design
-

Course Work Option Exit Exam

- Must pass Exit Exam to fulfill graduation requirements
 - Will be offered once in the fall semester and once in the spring semester
 - Students must have completed 18 hours of coursework by the end of the semester in which exam is taken
 - If a student fails the exam, they may retake the exam once in a later semester
 - Each student will be allowed 3 hours to complete the exam
-

Areas and Course for the Exit Exam

(Students must choose 2 areas)

- 1) Software Engineering: ECE738
 - 2) Communications: ECE726 and ECE754
 - 3) Control: ECE 777a and ECE792
 - 4) Signal Processing: ECE782
 - 5) Power Systems: ECE598 and ECE798
 - 6) Optics: ECE510 and ECE810
 - 7) Computer Networking: ECE736 (Not fall 2008) and ECE764
 - 8) Information Security: ECE765 and ECE766
 - 9) Device-Level Integrated Circuits: ECE691 and ECE791
-

Assistantship Opportunities

- Graduate Research Assistantships
 - Contact faculty members in your areas of interest
 - Graduate Teaching Assistantships
 - Working Directly with Students
 - Requires TSE score of 50 or higher (schedule now)
 - Apply in department after signing up for spring classes
 - Graduate Staff Assistantships
 - Working as a grader
 - Apply in department after signing up for spring classes
 - Lots of opportunities outside of EECS
-

Introduction to MS in Computer Science



**Ehiling, Jackson recognized as
Employer, Faculty Advisor of the Year at
Annual Co-op Event**

Research Areas within the EECS Department

- Computer Networking
 - Digital Communications
 - Control Systems
 - Digital Signal Processing
 - Power Systems
 - Quantum Computing
 - Sensor Networks
 - Databases
-

Introduction to the EECS Faculty and their Research Facilities

Rajiv Bagai, Associate Professor

Coskun Cetinkaya, Assistant Professor

Yanwu Ding, Assistant Professor

Keenan Jackson, Fairmount Lecturer

Neeraj Jaggi, Assistant Professor

Ward T. Jewell, Professor

Preethika Kumar, Assistant Professor

Hyuck M. Kwon, Professor

Vinod Namboodiri, Assistant Professor

Ravi Pendse, Professor, Associate Provost and CIO

Prakash Ramanan, Associate Professor

M. Edwin Sawan, Professor and Chairman, EECS Dept.

Steven R. Skinner, Professor

Bin Tang, Assistant Professor

Asrat Teshome, Associate Professor

John Watkins, Associate Professor

Questions & Answers

- ECE Webpage <http://wichita.edu/ece>
- CS Webpage <http://www.cs.wichita.edu/>
- EECS Webpage ????????

Pizza and Informal Mixing

