University of Texas At El Paso  
Department of Electrical and Computer Engineering  
EE 3376 Microprocessor Systems I  
Fall 2017 Syllabus

Course Description:  
Study of microprocessor programming models, assembly language, macro assemblers, and an introduction to system integration and interfacing.

Prerequisites: EE 2369 (Digital System Design I), EE 2372 (Software Design I), and EE 2351 (Electric Circuits II), each with a "C" or better  
Corequisite: EE 3176

This course prepares you for: EE 4342 Digital System Design II, EE 4356 Real Time Signal Processing, EE 4372 Microcontroller Applications, and EE 4378 Microprocessor Systems II

Course Outcomes: Students completing EE 3376 and the EE3176 lab will be able to:

1. Write assembly language programs.  
2. Explain program organization and general software environment of a microprocessor system.  
3. Understand the basic features of computer hardware.  
4. Understand system integration and interfacing at a basic level.  
5. Demonstrate competence in written technical communication.

Instructor: Rodrigo Romero, Ph.D.  
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Phone: 747-6090  
Email: raromero2@utep.edu  
Office hours: 1:30-2:30 MW or by appointment  
Available online from the Library Access Engineering volumes at:  
Lecture notes and lab reference information will be available on the course website.

Lab Kit: Buy HKN-provided MSP430 lab kit from E336 EE lab (across from IEEE lounge)  
Optional: Software Code Composer Studio (Free Student Version with 16K support)  
Lab T.A.: TBD  
Email: tbd@miners.utep.edu  
Grading: Element Weight & Comment
Midterm Exams: 20% each.
Quizzes: 10%.
Homework & assignments: 20%. Will not be accepted late.
Final Exam: 30%. Comprehensive. Depending on student’s performance in the term project, the final grade for the course may ignore the lowest exam grade.

General Policies
If a student requests a deviation from this syllabi for any specific reason (and I agree), the student should send via email a description of the modifications to me for the record.

American Disabilities Act: If you feel you may have a disability that requires accommodations, contact the Disabled Student Services Office at 747-5148 or go to room 106E of the Union.

Final lab project in EE3176 must be done from scratch. Discussions about concepts between students is permitted but code suspected of being copied (other than from the webpage) will be reported to the Dean of Students. No exceptions.

If you have 3 finals on the same day, you can ask for a reschedule of the middle final. If EE3376 is the test, you can request to have the final on dead day after showing printed proof of the three tests on one day.

Academic Dishonesty – See course website for details.

Homework is not accepted late (see exceptions below). If you miss class, contact the professor or a classmate to find out what work was assigned or if any important announcements were made. The only exceptions for accepting late assignments include a medical emergency requiring hospitalization, jury duty, attendance of a funeral of an immediate member of your family, or official UTEP business. Documentary proof of any of the above must be provided before or immediately after the fact.

Grading options for EE3376:
1) Lowest of midterm exams may be replaced by final, so final exam counts for %50 of total.
2) If final is the lowest grade of the exams, no exam is dropped and final counts for 30%.
3) There are no make-up exams except for documented unavoidable urgent circumstances.

Listening to or watching any device is not allowed during any instruction, lecture, quiz, or exam.

Incompletes or “I” grades will be considered for students completing satisfactory or better work and having serious legitimate situations beyond their control requiring additional time to complete the course requirements. Withdrawals must be completed by students on or before the final date to drop a course with a “W”. After that date, grades of W may only be assigned in exceptional circumstances after a written petition from a student and with the approval of the faculty member and the academic dean.