UTRGV COURSE SYLLABUS

UTRGV Course: ELEE 3435 C/CMPE 3437 C Microprocessor Systems Lab
Instructor Name: Wenjie Dong
Term: Spring 2017
Tel: 956-665 2200. Email: Wenjie.dong@utrgv.edu
Teaching Assistant: Ganesh Reddy Gunnam
Email: ganeshreddy.gunnam01@utrgv.edu
Times and location: T 8:00am-10:40am, ENGR 2.238 (Edinburg).
Office hours: by appointment

Textbook and/or Resource Material
Laboratory manuals for each lab will be provided.

Lab Structure
Lab assignments will be performed in groups of two students. A lab report is due before the class after a lab is completed. In order to receive credit for a lab report, you must be present in the lab and participate in the experiment. Attendance will be taken at the beginning of every class. If you are not present when attendance is taken you will be considered absent. If you leave the lab without consent from the instructor, you will be counted absent and receive a grade of ZERO for the lab. A record will also be kept of all lab reports delivered on time. It is your responsibility to ensure you have marked as present and that your report was submitted.

Lab Equipment
The equipment utilized for this lab is your computer station. Two pieces of software used in the lab are: 1) Borland TASM 5.0 and 2) DOS Debug.

Late Reports
Lab reports and all associated files must be submitted by the due date/time. Each student is responsible for submitting his/her reports. You are given plenty of time to complete and submit your reports. Late submission of reports and all associated files will not be accepted in general. If the instructor decides to accept a late submission, then a 50% penalty will be applied. Reports that are submitted more than 72 hours after their due dates will not be accepted. You are advised to keep a personal calendar of the deadlines of your assignments.

Lab report format is as follows:

- Introduction - Short summary of the topic under investigation.
- Procedure & Data - The steps taken to investigate the topic. (No credit for copying the lab manual procedure), as well as collected data, screenshots, and calculations.
- Conclusions - Analysis of the data/calculations.

ATTENDANCE:

Students are expected to attend all scheduled classes and labs and may be dropped from the course for excessive absences. UTRGV’s attendance policy excuses students from attending class if they are participating in officially sponsored university activities, such as athletics; for observance of religious holy days; or for military service. Students should contact the instructor in advance of the excused absence and arrange to make up missed work or examinations.

- Students who leave the class or lab without the consent of the instructor or teaching assistant will be counted as absent without an excusable reason. There is an official 10 minute break during lab periods. Students are normally allowed to leave the lab only for that specified duration.
- Students who accumulate more than two unexcused absences will receive a “0 points” as their attendance & participation score, which counts 10% of their course grade.
PUNCTUALITY

Late arrivals are disruptive. All students are expected to be in the lab at 8:00am. Please make every effort to come to class on time. If you arrive late, please be aware of the tardiness penalties imposed on the Attendance & Participation Score.

Labs (Subject to change)
- Introduction to Lab
- Lab 1.1 Writing Assembly Language Program
- Lab 1 Intro to TASM
- Lab 2 DOS Debug
- Lab 3.1 Exploring 8086/8088 Microprocessor’s Memory
- Lab 3.2 Exploring 8086/8088 Microprocessor’s Instruction Set
- Lab 4 Assembling and Executing 8086/8088 Instructions with Debug
- Lab 5 Assembling and Executing Instructions with Different Addressing Modes
- Lab 6 Getting Started with the Assembly Programs
- Lab 7 Arithmetic: Addition, Subtraction, Multiplication & Division Instructions
- Lab 8.1 Flag-Control & Subroutine Handling Instructions
- Lab N (Additional assignments may be issued according to the students’ performance)

Calendar of Activities
The UTRGV academic calendar can be found at http://my.utrgv.edu at the bottom of the screen, prior to login.

UTRGV Policy Statements

STUDENTS WITH DISABILITIES:
If you have a documented disability (physical, psychological, learning, or other disability which affects your academic performance) and would like to receive academic accommodations, please inform your instructor and contact Student Accessibility Services to schedule an appointment to initiate services. It is recommended that you schedule an appointment with Student Accessibility Services before classes start. However, accommodations can be provided at any time. Brownsville Campus: Student Accessibility Services is located in Cortez Hall Room 129 and can be contacted by phone at (956) 882-7374 (Voice) or via email at accessibility@utrgv.edu. Edinburg Campus: Student Accessibility Services is located in 108 University Center and can be contacted by phone at (956) 665-7005 (Voice), (956) 665-3840 (Fax), or via email at accessibility@utrgv.edu.

MANDATORY COURSE EVALUATION PERIOD:
Students are required to complete an ONLINE evaluation of this course, accessed through your UTRGV account (http://my.utrgv.edu); you will be contacted through email with further instructions. Online evaluations will be available Nov. 18 – Dec. 9, 2015. Students who complete their evaluations will have priority access to their grades.

SCHOLASTIC INTEGRITY:
As members of a community dedicated to Honesty, Integrity and Respect, students are reminded that those who engage in scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and expulsion from the University. Scholastic dishonesty includes but is not limited to: cheating, plagiarism, and collusion; submission for credit of any work or materials that are attributable in whole or in part to another person; taking an examination for another person; any act designed to give unfair advantage to a student; or the attempt to commit such acts. Since scholastic dishonesty harms the individual, all students and the integrity of the University, policies on scholastic dishonesty will be strictly enforced (Board of Regents Rules and Regulations and UTRGV Academic Integrity Guidelines). All scholastic dishonesty incidents will be reported to the Dean of Students.

SEXUAL HARASSMENT, DISCRIMINATION, and VIOLENCE:
In accordance with UT System regulations, your instructor is a “responsible employee” for reporting purposes under Title IX regulations and so must report any instance, occurring during a student’s time in college, of sexual
assault, stalking, dating violence, domestic violence, or sexual harassment about which she/he becomes aware during this course through writing, discussion, or personal disclosure. More information can be found at [www.utrgv.edu/equity](http://www.utrgv.edu/equity), including confidential resources available on campus. The faculty and staff of UTRGV actively strive to provide a learning, working, and living environment that promotes personal integrity, civility, and mutual respect in an environment free from sexual misconduct and discrimination.

**COURSE DROPS:**
According to UTRGV policy, students may drop any class without penalty earning a grade of DR until the official drop date. Following that date, students must be assigned a letter grade and can no longer drop the class. Students considering dropping the class should be aware of the “3-peat rule” and the “6-drop” rule so they can recognize how dropped classes may affect their academic success. The 6-drop rule refers to Texas law that dictates that undergraduate students may not drop more than six courses during their undergraduate career. Courses dropped at other Texas public higher education institutions will count toward the six-course drop limit. The 3-peat rule refers to additional fees charged to students who take the same class for the third time.