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Office Hours: MW: 1 – 4 PM, TR: 10 – 11 AM, F: 2 – 3 PM, or by appointment
Course Home Page: www.engineering.sfasu.edu/EGR343

Lab Exercises (tentatively)

Lab 1 - Logic Gates
Lab 2 - Karnaugh Maps
Lab 3 - Computer Aided Circuit Analysis
Lab 4 - Multilevel Gate Networks
Lab 5 - PIC Start - Microcontroller
Lab 6 - Assembly Programming
Lab 7 - Analog To Digital Converters
Lab 8 - Microcontrollers
Lab 9 - Flip Flops
Lab 10 - Design of Sequential Networks
Lab 11 - Counters
Lab 12 - Microcontrollers
Lab 13 - Microcontrollers

Lab Policy
1. Handouts will also be provided for each lab exercise.
2. There will be no make-up labs. Excused absences must be approved by Dr. Bruton within one week of the absence. A written notice is required.
3. Students must arrive to lab on time to receive important lab exercise instructions from the teaching assistant.
4. A portfolio (folder) containing all of the graded labs will be due the day of the last lab of the semester. It will be graded on completeness, neatness, clarity, and organization.

Grading
Each major exam will be graded on a 100-point scale. The lecture will be computed as shown below.

Course Average = (Sum of Exam Grades + Homework and Lab Exercise Average) / 5

This means that all exams (including the final) are weighted equally. Letter grades are based on the ranges below.

A  90.0 - 100     B  80.0 - 89.9     C  70.0 - 79.9     D  60.0 - 69.9     F  < 60.0
Email Communication

All official course communication will be made using your SFA titan account. You must use your SFA email account for all communications. You will be notified via your SFA titan email account about grades and attendance. You can look up your SFA email account or setup email forwarding using this link: https://apache.sfasu.edu/accountman/

Attendance

Attendance will be taken during lecture and lab. If you have 3 unexcused absences then your final grade will be reduced one letter grade. If you have 4 unexcused absences, you will receive an “F” in the course. A written and signed notice is required for an excused absence within three class days of the absence. To make sure that you are going to arrive to class on time you can set your watch here: http://www.time.gov/.

Students who miss class without approval of their instructor will receive a grade of zero on the missed assignment. Authorized absences must be approved by your instructor in advance of the absence, unless you have an emergency or illness. Make-up work must be completed outside of normal class hours within one week following an excused absence. It is your responsibility to see your instructor and make arrangements for make-up work.

Classroom Policies

For the benefit of your fellow students and your instructor, you are expected to practice common courtesy with regard to all course interactions. For example:

- Be considerate toward your classmates and instructor and arrive to class on time.
- Do not leave class early and do not rustle papers in preparation to leave before class is dismissed.
- Avoid classroom distractions. Be attentive in class: stay awake, do not read newspapers, etc.
- If you are late to class or must leave early please inform your instructor in advance (enter or leave quietly, don’t walk across the front of the classroom (use the side aisles) and don’t walk in front of the projector).
- Cell phones, pagers and other communication devices must be turned off during class.
- Play well with others. Be kind and respectful to your fellow students and your teachers.
Academic Integrity (A-9.1)
Collaboration on examinations, in class assignments, and homework assignments is forbidden except where specifically specified as "Team" activities. For example, homework assignments are not team activities. In general, one team may not collaborate with another team on "Team" activities. Students violating this policy will be subject to procedures described in the Stephen F. Austin State University Policies and Procedures Manual.

Abiding by university policy on academic integrity is a responsibility of all university faculty and students. Faculty members must promote the components of academic integrity in their instruction, and course syllabi are required to provide information about penalties for cheating and plagiarism as well as the appeal process.

Definition of Academic Dishonesty
Academic dishonesty includes both cheating and plagiarism. Cheating includes, but is not limited to: (1) using or attempting to use unauthorized materials to aid in achieving a better grade on a component of a class; (2) falsification or invention of any information, including citations, on an assignment; and/or (3) helping or attempting to help another in an act of cheating or plagiarism. Plagiarism is presenting the words or ideas of another person as if they were your own. Examples of plagiarism include, but are not limited to: (1) submitting an assignment as if it were one's own work when, in fact, it is at least partly the work of another; (2) submitting a work that has been purchased or otherwise obtained from the Internet or another source; and (3) incorporating the words or ideas of an author into one's paper or presentation without giving the author due credit.

Please read the complete policy at http://www.sfasu.edu/policies/academic_integrity.asp and http://www.sfasu.edu/policies/academic_appeals_students.asp

Penalties may include no credit or failure in the course.

Withheld Grades - Semester Grades Policy (A-54)
At the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the course work because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future semesters, the WH will automatically become an F and will be counted as a repeated course for the purpose of computing the grade point average.

The circumstances precipitating the request must have occurred after the last day in which a student could withdraw from a course. Students requesting a WH must be passing the course with a minimum projected grade of C.

Students with Disabilities
To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, and Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services in a timely manner may delay your accommodations. For additional information, go to http://www.sfasu.edu/disabilityservices.
Acceptable Student Behavior
Classroom behavior should not interfere with the instructor’s ability to conduct the class or the ability of other students to learn from the instructional program (see the Student Conduct Code, policy D-34.1). Unacceptable or disruptive behavior will not be tolerated. Students who disrupt the learning environment may be asked to leave class and may be subject to judicial, academic or other penalties. This prohibition applies to all instructional forums, including electronic, classroom, labs, discussion groups, field trips, etc. The instructor shall have full discretion over what behavior is appropriate/inappropriate in the classroom. Students who do not attend class regularly or who perform poorly on class projects/exams may be referred to the Early Alert Program. This program provides students with recommendations for resources or other assistance that is available to help SFA students succeed. http://www.sfasu.edu/policies/student_conduct_code.asp

Program Learning Outcomes (PLO)
1. The student will demonstrate proficiency in the basic and applied fields of physics.
2. The student will apply physical principles to novel situations, both in the classroom and in research settings.
3. The student will develop good experimental technique, including proper setup and care of equipment, conducting experiments and analyzing results in order to observe physical phenomena, assess experimental uncertainty, and make meaningful comparisons between experiment and theory.
4. The student will develop effective written and oral communication skills, especially the ability to transmit complex technical information in a clear and concise manner.
5. The student will be able to work effectively in groups or teams.
6. The student will appreciate the importance and practice of ethics in science.

Student Learning Outcomes (SLO)
By the end of the course, a successful student will be able to:
- Design and construct digital logic circuits using integrated circuit gates, decoders, counters, and flip-flops. (PLO 1, 2, 3, 5)
- Employ Karnaugh Maps and the Quine-McClusky method to solve complex logic problems. (PLO 2)
- Develop code for Programmable Integrated Circuits (PIC Chips) and install these programs on chips. (PLO 2, 3)

General Education Core Curriculum Objectives/Outcomes (EEO)
This course is not included in the general education core curriculum. Therefore, please see the learning outcomes above rather than any Exemplary Educational Objectives (EEOs).