EEO353 – Electronics Laboratory II
Spring

Description:	EEO353: Electronics Laboratory II, Credit: 3 The course builds upon EEO352 and covers additional devices, such as, ir LED, and photo-transistor; circuit concepts, such as, negative feedback and differential amplifier; oscillator circuits, active filters, and sigma-delta modulation. There are three design projects.
Textbook:	Laboratory manual posted online
Coordinators:	Pao-Lo Liu, Professor, Gianluigi De Geronimo, Professor
Goals:	After successfully completing the course, students will be ready to design application circuits meeting specific design goals. They will also be ready to conduct design projects and deliver project presentations.
Prerequisite:	EEO352 Electronics Laboratory I
Experiments:	(numbered according to the Lab Manual for both EEO352 and EEO353) 10. Negative Feedback and Push-Pull Amplifier 11. Differential Amplifier 12. *Multiple Stage Amplifier Project* 13. Oscillators 14. Infrared Transmitter and Receiver 15. *Radio Frequency Communications Project* 16. *Micro Controller Project* 17. Active Filter and Pulse Width Modulation Using Operational Amplifiers 18. Electrocardiogram
Requirements:	Full Report: Multistage Amplifier Project - 14 pts. Presentation (with audio): Microcontroller Project - 20 pts. Short Reports on Experiments: 7 - 56 pts. Discussion Board Posting and Feedback on Presentations: 10 pts. Total: 100 pts = 100%.
Grading:	90-100% A- to A, 80-89% B- to B+, 70-79% C- to C+, 60-69% D- to D+, <60% F. For incomplete, please read: sb.cc.stonybrook.edu/bulletin/current/policiesandregulations/records_registration/grading_system.php.
Schedule:	Lectures: posted on blackboard.stonybrook.edu
Laboratories:	at home or work
Office Hour:	Online upon request

BSEE Online Program Proctoring Policy:
To ensure student authentication and academic integrity, we require students to have exams (mid-term/final) proctored at testing centers, public facilities, higher education institutions, or commercial online proctoring services. The following are examples of proctoring facilities: National College Testing Association, the SUNY Exam Proctoring Services, public libraries, community colleges and other higher education institutions. The proctor at these facilities must be faculty or professional staff members. Proctoring by teaching assistants or graduate students is generally not acceptable, unless specifically authorized by the instructor. Proctors who have a personal relationship with the student (such as friends, relatives, employers, colleagues, fellow students, etc.) are not appropriate. In all cases, students should obtain approval of the faculty once they have identified a proctoring facility.

Disability Support Services (DSS):

If you have a physical, psychological, medical or learning disability that may impact your course work, please contact Disability Support Services, ECC (Educational Communications Center) Building, room128, (631) 632-6748. They will determine with you what accommodations, if any, are necessary and appropriate. All information and documentation is confidential.

Academic Integrity:

Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Faculty are required to report any suspected instances of academic dishonesty to the Academic Judiciary. Faculty in the Health Sciences Center (School of Health Technology & Management, Nursing, Social Welfare, Dental Medicine) and School of Medicine are required to follow their school-specific procedures. For more comprehensive information on academic integrity, including categories of academic dishonesty, please refer to the academic judiciary website at http://www.stonybrook.edu/uaa/academicjudiciary/.

Critical Incident Management:

Stony Brook University expects students to respect the rights, privileges, and property of other people. Faculty are required to report to the Office of Judicial Affairs any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, or inhibits students' ability to learn. Faculty in the HSC Schools and the School of Medicine are required to follow their school-specific procedures.

Details of instructional and student responsibilities can be found at: http://sb.cc.stonybrook.edu/bulletin/current/policiesandregulations/policies_expectations/min_instructional_student_resp.php.