

ESE 121 Syllabus, Spring 2020

Instructor: Jan Folkson

email: jan.folkson@stonybrook.edu

Office Hours: Tuesday 11:30am - 1:00pm or by appointment, in Light Engineering 258A

Grading:

- 15% - Homework
- 20% - Quizzes
- 20% - Midterm exam 1
- 20% - Midterm exam 2
- 25% - Final

All students will be allowed one double-sided 8.5 x 11 reference sheet for each exam. Use of all electronic devices with the exception of calculators are prohibited during exams. Graphing or scientific calculators are recommended.

Objective:

To learn basic concepts of electrical engineering using examples found in audio systems. We will explore and analyze analog and digital audio systems and components, musical instrument amplifiers and effects, audio instrumentation, samplers, synthesizers, and audio transducers. Signal and system concepts will be demonstrated using audible examples to develop intuitive and non-mathematical insights. Audio system specifications will be explained and their effects demonstrated.

There will be no textbook assigned for this class.

The University Senate Undergraduate and Graduate Councils have authorized that the following required statements appear in all teaching syllabi (graduate and undergraduate courses) on the Stony Brook Campus.

Americans with Disabilities Act: 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.