Faculty Mentor: 
Office Location: 
Telephone: 
Fax: 
Email: 
Web Page: 
Office Hours: 
Class Days/Time: None 
Classroom: None 
Prerequisites: Senior in good standing

Faculty Web Page
Course information will be posted on class CANVAS. Students are responsible for regularly checking the class CANVAS for the information.

Catalog Course Description
Individual work on special topics arranged by the student and faculty mentor. Enrollment is handled by the EE department office. A completed and approved application is required.

Course Description
The EE180 Individual (or Independent) Studies course is designed to allow seniors to work individually with a faculty member on a project or topic of mutual interest. The course is arranged on an individual basis at the instigation of the student or faculty member. Before enrolling for EE180, students are required to complete all their required foundation courses in mathematics, chemistry, physics, ENGR10, EE030, EE097, EE098, as well as some required electrical engineering courses EE102, EE110, EE110L, EE112, EE118, EE122, and EE128. These requirements are to ensure that students will have enough background to address challenging engineering problems in collaboration with their faculty mentor. Under special circumstances and with the approval of EE Department Chair and Undergraduate Advisor on the EE180 Application Form, one 3-unit individual studies course may be used as an elective course in the EE program.

Each student who enrolls in EE180 must create a list of “Learning Objectives” (LOs) with approval from his/her faculty mentor. The list of LOs together with EE180 Application Form must be completed and approved before the last day of drop without a “W” grade. The number of LOs
must be between 6 and 10 and must satisfy at least 3 ABET Student Outcomes among the ones listed in the “ABET Student Outcomes” section of this course syllabus.

**Learning Objectives**

Upon successful completion of this course, students will be able to (student must fill out these Learning Objectives and get approval from faculty mentor):

LO1.
LO2.
LO3.
LO4.
LO5.
LO6.

**ABET Student Outcomes**

The Learning Objectives listed above satisfies at least 4 ABET criterion 3 Student Outcomes among the ones as listed below:

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

**Required Text and Laboratory Manual**

**Textbook**

To be determined by the student and faculty mentor

**Laboratory Manual**

To be determined by the student and faculty mentor
Classroom Protocol
There is no classroom protocol for EE180. However, student is encouraged to meet the faculty mentor at least once per week

Dropping and Adding Policies and Procedures
Students are responsible for understanding the policies and procedures about add/drops, academic renewal, etc. Information on add/drops are available at http://info.sjsu.edu/web-dbgen/narr/soc-fall/. Information about late drop is available at http://www.sjsu.edu/sac/policies/latedrops/policy/. Students should be aware of the current deadlines and penalties for adding and dropping classes.

Assignments and Grading Policy

Required Submissions
All required submissions are shown on the class CANVAS.

Lectures, Exams, Tests, Homework and Laboratory Assignments
To be determined by the student and faculty mentor

Final Report
A final report must be approved by faculty mentor and submitted on class CANVAS per due date (as shown on the class CANVAS).

Grading Policy
The course grade is CREDIT / NO CREDIT. In order to receive credit, a grade of “C” or above is required. Students must submit all required assignments per due date as shown on the class CANVAS in order to receive grade. Failing to submit any assignment on time will result of “NC” (No Credit) grade for the course.

University Policies

Academic Integrity Statement (from Office of Student Conduct and Ethical Development):
Your own commitment to learning, as evidenced by your enrollment at San José State University, and the University’s Academic Integrity Policy requires you to be honest in all your academic course work. Faculty members are required to report all infractions to the Office of Student Conduct and Ethical Development. The policy on academic integrity can be found at http://www.sa.sjsu.edu/download/judicial_affairs/Academic_Integrity_Policy_S07-2.pdf

Instances of academic dishonesty will not be tolerated. Cheating on exams or plagiarism (presenting the work of another as your own, or the use of another person’s ideas without giving proper credit) will result in a failing grade and sanctions by the University. For this class, all assignments are to be completed by the individual student unless otherwise specified. If you would like to include in your assignment any material you have submitted, or plan to submit for another class, please note that SJSU’s Academic Policy F06-1 requires approval of instructors.
Campus Policy in Compliance with the American Disabilities Act

If you need course adaptations or accommodations because of a disability, or if you need to make special arrangements in case the building must be evacuated, please see me as soon as possible during my office hours. Presidential Directive 97-03 requires that students with disabilities requesting accommodations must register with the DRC (Disability Resource Center) to establish a record of their disability.

Course Schedule

To be determined by the student and faculty mentor