

ECE 568 is a project-oriented research-based program. It is research-oriented for there is no top ceiling to bond students from their aptitudes, intelligence, or interests in developing web applications. Instead, this class gives freedom and encourages students to work on their own aspirations and to work for themselves. It is project-oriented because there are minimum requirements for students to accomplish. They need to independently develop a web application that carries out a meaningful service through open-source finance data, such as stock market data, commodities futures data, or data of any other security. This prompts students to do data analysis, feature selection, information retrieval, and come up with a model or solution for their web application services. After all, a web application is only a container, its value is the insightful information that it provides to its users.

Students usually were inspired through the process of analyzing tough data. They integrated new knowledge that has learned from this class and old knowledge that has grasped from their learning paths together for tackling the data. In conclusion, this class prepares students to graduate and according to their interests become suitable workforces to the society.

At the end of the semester, the class will be concluded with a project report and presentation from each student. A project report template will be given before midterm. The template helps students to write up a patent application specification. Students will at least to know how to write up the specification for a computer-implemented invention to protect their intellectual properties.