ACADEMIC AFFAIRS

Course Number: ESET-465   Department: ESET

Course Title: Senior Projects in ESET   Semester: Spring   Year: 2004

Objectives/Competencies

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1. Develop team building skills.	1. To be able to work in teams to assign responsibilities. 2. To learn to work as a team toward a common goal. 3. To be able to effectively communicate ideas amongst the team and to others.
2. Develop skills necessary for project completion.	1. Research practical projects that utilize skills developed in ESET coursework. 2. Understand team development and cooperation. 3. To be able to make written, oral and electronic presentations. 4. To develop material acquisition skills.
3. Develop scheduling and documentation skills.	1. To be able to develop and adhere to a project schedule. 2. To develop flexibility to work around schedule problems. 3. Maintain accurate daily documentation on individual, team and project progress.

Course Objective	Competencies
4. Develop proper written and oral presentation and communication skills.	1. Submit weekly progress reports. 2. To maintain an accurate, chronological lab notebook. 3. Make monthly group progress reports in front of their peers. 4. Use PowerPoint software to make project and group presentations. 5. Develop proper use of e-mail and other electronic communication methods to exchange ideas. 6. Develop skills necessary to explain complex concepts in layman's terms.
5. Combine technical skills and knowledge developed in coursework to construct and test the project.	1. Use technical and productivity software throughout project development. 2. Students will demonstrate their knowledge of test equipment to build, monitor and test the project throughout its development cycle. 3. Students will research specific topics necessary to understand project operation.

COURSE DESCRIPTION:
Senior Projects in ESET   3 credits.
This capstone course is designed to combine the concepts, theories and practices developed throughout the course of study in the ESET program and apply them to the development of a group project. Students will be required to keep a notebook and make weekly written project progress reports and monthly oral presentations of their work. A final written report and oral presentation will be required. The lecture will deal with topics relevant to project research and presentation. The 5 lab hours will provide student time to develop their project. Prerequisite: Student must be a candidate for graduation in May or permission of instructor. Offered Spring semester.