**CS 693 – Capstone Project for Computer Science or Computer Science (Network option) Students**

**Catalog information:** Implementation of a substantial project in an advanced area of Computer Science. Supervision by a departmental committee, at least one of whom must be a CSUEB Computer Science faculty member. Scientific literature research, a written report and an oral presentation is required.

**Prerequisites:** Department consent, minimum 3.0 GPA and advancement to candidacy.

**Units:** A minimum of 3 units must be taken for the capstone project

**Grading:** A-F only

**Advancement to candidacy means:** Students must complete all prerequisite or deficiency courses and the writing skills exam. Students must also have completed the five M.S. required courses with a “B” or better average.  In addition, a student must have an overall and graduate GPA of 3.0 or better.

**I want to do a Capstone Project, what do I do?**

First make sure you qualify – this means you have complete all prerequisites and deficiencies and you have completed the 5 required courses with a B or above average.

Next, you will need to find a project advisor. Any faculty member from the Computer Science department can be your project advisor. It is best to choose a faculty member that you have had previously. Choosing a faculty advisor whose research area is in your project interest is also advised. You and your project advisor will create a project plan for your work which will be submitted to your project committee and the graduate coordinator for approval. After this, Ms. Snyder in the department office can enroll you into CS 693.

**Project Committee:** You will also need two other CSUEB faculty members for your committee. Your project committee and advisor will review and approve your project plan and evaluate your project when it is completed.

**What is a project?**

A project is something you build. It is a software implementation of a particular computer science algorithm or concept. A project includes background research in the chosen topic area, a written report describing what will be implemented and how it will be tested, and a summary of results. Students will present an oral report describing their work on completion.

**How long should it take to complete a project?**

It is expected that a project can be completed in one semester. However, it may take longer depending on the project. The project committee has final say on when the project is complete. A minimum of 3 units can be taken for a capstone project.

**Outline of a capstone project:**

A project report should include the following: Introduction, related work if needed, description of project, testing, results, conclusion, and bibliography. Without including project code, a project paper should be approximately 50 or more pages, double spaced, 12 pt font, 1 inch margins.