

# CS 497 - Senior Design Project II

## Syllabus

### Course Coordinator

Dr. Deborah Hwang  
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Home page: <http://csserver.evansville.edu/~hwang>

### Office Hours

See coordinator's home page.

### Class meetings

To be arranged

### Class Home Page

Handouts and assignments will be available only at the class home page:  
<http://csserver.evansville.edu/~hwang/f19-courses/cs497.html>

### Catalog Description

Student completes and builds the design proposed in Computer Science 495. A formal design review is conducted early in the semester. A practice oral report, a written final report, a final oral report, and a demonstration of the completed project are required.

### Objectives and Outcomes

The objectives of this course are to complete the senior design project including documenting the work completed, writing a final report, and giving a public presentation that includes a demonstration of the project.

Specific outcomes for this course include:

- Students will complete the implementation of the project proposed.
- Students will submit a satisfactory written final report
- Students will give a satisfactory oral public presentations

### Prerequisites

CS 495

### Required Textbook

No text book required.

## Requirements and Schedule

Each student must consult with their project advisor and their sponsor, where different, on a regular basis (at least every two weeks) to determine the status of their project. The project advisor and/or sponsor may require periodic progress reports. In all cases, **the following requirements must be met by all students**:

- Every project must have an on-line “engineering notebook” on cserver. This may be a continuation of the notebook from CS 495, with the added required information and a **separate** table of entries for CS 497 clearly marked. (E.g., you can copy the code for the CS 495 table and then just change the file name for the CS 497 entries.) Alternatively, a brand-new notebook (using the template given in the course webpage or create your own) may be created.

The URL for the project notebook should be emailed to the course coordinator by the end of the first full week of classes (**August 30, 2019**). Formatting beyond simple headings and paragraphs is not required. The project notebook should include at least:

- A Title, an Abstract paragraph, and a link to the project proposal in PDF format.
- Entries documenting work done on the project with estimates of how much time was spent in hours. For example:

**Summer 2019 (15 hours):** Researched using the IDE. Wrote prototypes for GUI.

**September 1-4, 2019 (15 hours):** Worked on the database. Set up MySQL server. Defined tables for Object1, Object2, Object3. Took awhile to get all the fields separated into the correct objects. Wrote backend code to access these tables. Had trouble creating well-formed SQL queries, so only finished code for the Object1 and Object2 tables.

- Total number of hours logged to date. Note: The minimum amount of time expected to be devoted to this course is around 140 hours (an average of 10 hours per week per person including class and advisor meetings for 14 weeks) **in addition to hours completed during summer break**. Please be aware that most projects require more hours than the minimum (generally around 200 hours), and completing less than 100 hours of work is likely to result in a failing grade. Entries must be made at least weekly.
- Links to any on-line references used

In addition, at the conclusion of the semester, the notebook should include a link to the final project report and a link to the implementation code (either a zipped archive or a URL). Students whose projects are to be proprietary property of the project sponsor will be allowed to make other arrangements for the archiving of project code.

- No later than the end of the seventh week of the term (**October 11, 2019**), a written progress report must be submitted to the project advisor and project sponsor, where different. **The form provided on the course webpage must be used.** The progress report should contain the following information:
  - outline of the work completed to date
  - any changes in specification
  - updated final project goals
  - plans for remaining work

The project advisor and project sponsor are to read the progress report and discuss it with the project engineer before signing the progress report. The project advisor and/or project sponsor may require modifications to the report before it is submitted to the course coordinator. The signed progress report must be submitted to the course coordinator by the end of the eighth week of the term (**October 18, 2019**).

- No later than one week before the end of the term (**November 25, 2019**), a draft copy of a project poster must be submitted to the project advisor and course coordinator, where different, for approval and possible revision. Guidelines for poster construction are available at the course home page. Final poster files in PDF will be due in time for the posters to be displayed at the final presentations.
- No later than one week before the end of the term (**November 25, 2019**), a practice presentation session will be held. Guidelines for the format of the final presentation are available at the course home page.

- No later than one week before the end of the term (**November 25, 3019**), a complete draft copy of the final report must be submitted to the project advisor and course coordinator, where different, for approval and possible revision. Guidelines for the format of the final report is available at the course home page.
- The final presentations will be scheduled during the week of **December 9, 2019**
- Final reports are due in PDF format no later than the day of the final presentations during the week of **December 9, 2019**.

## Grading

Grades will be determined by the computer science faculty with input from the project sponsor. They will be based on the written progress report, participation and attendance at practice presentations, the final presentation, the final report, the project poster, and overall project quality. Guidelines for assigning grades are as follows:

A	The project satisfies all or nearly all of the client and course requirements, and exhibits significant original design.
B	The project satisfies many of the client and course requirements, and exhibits some original design, but does not represent a viable solution to the original problem.
C	The project meets some of the client and course requirements, and contains some element of original design but fails to address some important aspect of the original problem.
D	The project meets few, if any, of the client or course requirements and/or shows little evidence of original design, yet is partially functional.

## General Education

This course meets the criteria for Overlay Outcome E: Writing Across the Curriculum.

## Credit Hour Policy

This course meets the federal requirements of 45-75 total hours of supervised clinical, fieldwork, or independent study experiences per credit hour.

## Disability Policy

It is the policy and practice of the University of Evansville to make reasonable accommodations for students with properly documented disabilities. Students should contact the Office of Counseling and Health Education at 488-2663 to seek services or accommodations for disabilities. Written notification to faculty from the Office of Counseling and Health Education is required for academic accommodations.

## Honor Code

All students at the University of Evansville agree to the University honor code: *I will neither give nor receive unauthorized aid, nor will I tolerate an environment that condones the use of unauthorized aid.*