

COMPUTER SCIENCE & COMPUTER ENGINEERING DEPARTMENT
Central Campus, Fall 2025

CMPS 499 SENIOR SEMINAR/PROJECT – CRN 1042

🔔 COURSE INFORMATION

- 🔑 **Units:** 4.0 Credit Hours
📅 **Schedule Types:** Class
🔑 **Requirements:** Junior or senior standing and instructor approval required.
The core course is for your Computer Science concentration. Nch.
🔔 **Class Location:** FH 207 & 108B.
🕒 **Course Time:** Lecture/Seminar: Thursday 6:50 – 10:00 p.m.

👤 INSTRUCTOR INFORMATION

- 👤 **Instructor:** Prof. Jozef Goetz Ph.D.
🔑 **Office:** FH 108B
📧 **E-mail:** JGoetz@laverne.edu
☎ **Phone:** (909) 448-4663
🕒 **Office Hours:** Thursday 4:30 – 5:30 p.m. or
by appointment at <https://ulvadvising.as.me/jgoetz> on Zoom/WebEx

🔔 OBJECTIVES

The goal of Senior Project is to allow students to design and pursue a project of interest. It includes detailed design, implementation and testing following a systematic development process while incorporating appropriate design and development principles and standards. This culminates in producing a working solution and a formal final report, and presenting the project achievements including a demo. The **main objective** of this course is to provide a capstone experience in which the student combines knowledge, skills and topics that the student previously learned with some new topics learned during the course. This course is a requirement for the BS degree in Computer Science and demonstrates a student's ability to apply knowledge and skills to problem-solving.

The role of the instructor in this class will be:

- to provide advising during the process of doing projects,
- to help the student to help himself/herself,
- to establish a framework and put together a set of materials for exploration,
- to guide students to find resource materials.

🔔 SPECIFIC GOALS FOR THE COURSE

a. Specific outcomes of instruction:

- ❖ **Specify clearly** in your project report what **new knowledge** and **skills you learned** for the **project** and **how you implemented them in the project.**
- ❖ Complete an individual senior project throughout the semester.
 - Your project will be one that you choose according to guidelines outlined in the detailed requirements.
- ❖ Receive approval of the Senior Project proposal.
- ❖ Meet with senior project's advisor.
 - The meetings with the instructor to promote a relationship by sharing ideas, discussing ideas, and focusing on the next steps.
- ❖ Provide the weekly report on your progress by each Thursday (each time post on OneDrive all reports in the **same** file, the last report should be the first one in the same document – in an **inverse** order)
- ❖ Provide an oral presentation

- A 15 - 20 minutes formal presentation open to all students and faculty, and up to 10 minutes discussions at the end
- ❖ Turn in the final report

b. Outcomes addressed by the course:

Course Contribution	Student Learning Outcomes - see *
*	1. Ability to analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions (AA).
*	2. Ability to design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline (DIE).
*	3. Ability to communicate effectively in a variety of professional context (CE).
	4. Ability to recognize professional responsibilities and make informed judgment in computing practice based on legal and ethical principles (LE).
	5. Ability to function effectively as a member or leader of a team engaged in activities appropriate to program's discipline (LT).
*	6. Ability to apply computer science theory and software development fundamentals to produce computing-based solutions (ATD).

Students must hand in as follows:

1. Weekly reports (see Weekly_Report_Template.doc),
2. Project proposal (see Proposal_Outline.doc),
3. Presentation in PowerPoint (see Presentation_Outline.doc),
4. Final report (see Final_Report_Template.doc),
5. Student Evaluation Form (see Evaluation_Form.doc).

RECOMMENDED TEXT

Jozef Goetz, Topics and Resources, CMPS 499 Senior Seminar/Project, Class Manual, 2024.

Based on students input, my knowledge and experience and the market, I prepared a class manual including the hottest topics such as emerging technologies with some descriptions, examples, references and links to help students in their work on senior projects and have a reference for their workplace. A manual with a list of topics, resources, examples of projects, selected books, articles, guidelines, schedule and WEB links will be available to you for your exclusive use if you ask me.

There is no textbook required for this class.

Synchronous Telepresence:

ULV ONLINE students or some CAPA students are **registered** for the **class remotely**, while others are registered for the **on-ground class**. Students who have a reasonable justification can take the class remotely. In order to switch from a face-to-face class to a remote mode, a student needs the instructor's permission. Students who have changed from a face-to-face class to a remote class need to keep their web **camera** continuously on. **Not showing the face all the time is equivalent to being absent from class.**

Course material: The syllabus and guidelines will be posted at <http://classes.jgspectrum.com/> (click menu item **Classes** and then **CMPS 499: Senior Seminar/Project for Fall 2025**). All **CMPS 499** documents should be in it. You can then copy them to your computer.

🔍 EVALUATION AND GRADING:

The course grade will be calculated as follows:

- ❖ Proposal..... 10%
- ❖ Weekly reports and attendance 20%
- ❖ Final report..... 50%
- ❖ Oral presentation – 20%

All items above are **required**.

Final course grades will be assigned as follows:

95 – 100 = A	90 – 94 = A-	
87 – 89 = B+	84 – 86 = B	80 – 83 = B-
77 – 79 = C+	74 – 76 = C	70 – 73 = C-
67 – 69 = D+	64 – 66 = D	0 – 63 = F

🔍 PLAGIARISM POLICY

Each student is responsible for performing academic tasks in such a way that honesty is not in question, unless an exception is specifically defined by an instructor, students are expected to maintain the following standards of integrity: 1) **All tests, term papers, oral and written assignments, and recitations are to be the work of the student presenting the material.** 2) **Any use of the wording, ideas, or findings of other persons, writers, or researchers requires the explicit citation of the source**; use of the exact wording requires “quotation” format. 3) Deliberately supplying material to a student for purposes of plagiarism is also culpable. The dean may place on probation, suspend, or expel any student who violates the academic honesty policy. (See ULV catalog).

🔍 SOCIAL JUSTICE AT LA VERNE

The Social Justice Incident Report Form is available to any University of La Verne community member wishing to report an incident of social injustice or discrimination (these may be acts that promote hate, fear, intimidation, unfair treatment, or oppression against an individual or a group). **Please note that reports can be submitted anonymously. Prior to submitting a social justice form, consider if the reason is academic (classroom related) or something beyond that as all classroom related issues should be taken up with the Chair of the Department.** The social justice incident/issue may be a non-emergency or emergency incident and can be reported to an agency (e.g. 911, La Verne Police Department, or University of La Verne Campus Safety Office). More information and the online reporting forms can be found on the web page of the Office of Diversity and Inclusivity or using the link below: https://cm.maxient.com/reportingform.php?UnivofLaVerne&layout_id=25.

🔍 REMOTE COURSE PRIVACY:

It is an invasion of privacy and a violation of the course policies for anyone to **record and/or distribute** another class participant's photographs, videos, screenshot saves, or any other method for capturing an image or audio, moving or still, with or without sound, without the participant's written consent. This policy does not apply to the University's or professor's recording of the synchronous portion of the course.

🔍 ACCESSIBILITY/SUPPORT SERVICES:

The mission of Accessibility Services is to collaborate with students and campus partners in creating an equitable and inclusive educational experience for students with disabilities. More information can be found at <https://laverne.edu/accessibility/wp-content/uploads/sites/19/2022/01/Accessibility-Services-Handbook.pdf>.

🔍 INCLUSION:

The act of creating environments in which any individual or group can be and feel welcomed, respected, supported, and valued to fully participate and bring their full, authentic selves to work. An inclusive and welcoming climate embraces differences and offers respect in the words/actions/thoughts of all people.

Registration in this course **and acceptance** of this **syllabus** constitutes acknowledgement by **holder that the student has read** and **agrees** to the **provisions** of the **foregoing** agreement between student and professor.