University of La Verne

COMPUTER SCIENCE & COMPUTER ENGINEERING PROGRAM

Central Campus, January 2022

CMPS 370 –SEMINAR - sec.001 CS Topics CRN:**1064**

COURSE INFORMATION:

- Units: 1.0 Credit Hours
- Pre-Req.: Nch.
- Schedule Types: Seminar
- Requirements: Core Requirements for the Computer Science and Computer Engineering B.S.
- Class Location: Synchronous Zoom online meetings
- Course Time: M: 6:00 – 9:15 p.m.

INSTRUCTOR INFORMATION:

- **Instructor:** Prof. Jozef Goetz Ph.D.
- **Office:** Zoom
- **E-mail:** JGoetz@laverne.edu
- **Phone:** (909) 448-4663
- **Office Hours:** M: 3:00 – 4:00 p.m. on Zoom/WebEx by appointment at https://ulvadvising.as.me/jgoetz

COURSE DESCRIPTION:

Discussion of new and innovative topics in computer science, computer engineering, and information systems.

SPECIFIC COURSE OBJECTIVES:

a. Specific outcomes of instruction:

The goal of this course is to prepare students to

1. undertake individual research, present, and discuss innovative topics in computer science, computer engineering, and information systems.
2. understand the basics of cutting edge computer science technologies
3. select possible field/topic for a senior project.

b. Outcomes addressed by the course:

Course Contribution	Student Learning Outcomes
	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**).

🕮TEXTBOOK:

[1] Jozef Goetz, Topics and Resources, CMPS 370 Computer Science Seminar, Class Manual, January 2021.

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 choose a suitable topic for their presentation and also as a reference for their workplace. There is no textbook required for this class. All handouts will be posted at http://classes.jgspectrum.com/.

✍ EVALUATION AND GRADING:

The course grade will be calculated as follows:

Class participation and attendance:	20%
Topics insertion (**due 48 hours before the last class session starts**):	40%
Presentation:	40%
Total:	100%

Final course grades will be assigned as follows:

94 – 100 = **A**	90 – 93 = **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**	

✍NATURE OF ACTIVITES IN THE CLASS:

1. 🔔👆**Attendance and Participation:** Required. Attendance and class participation are important in this course. Class participation includes in-class exercises, questions and comments on the student's presentation and student's manual insertion. You are requested to ask **5 questions** or **comments** after student class presentation to get a full class participation credit.

   If for some serious reason you must miss your presentation slot, you **should exchange** your presentation slot **with another student a week in advance**. Please send an e-mail more than a week in advance to the instructor if you are going to miss your scheduled presentation. Presentation should **be done on the scheduled date**. Unexcused missing presentation will get no credit. No recording devices are permitted during lecture.

2. ✍**Home and project assignments**: Each student must dedicate at least a few hours to add a new topic of the class manual **Jan22_SemManual_by_students.docx** posted on **OneDrive**. Students will **collaborate** and **create** this **class manual** in order to share the document. All new topics or updates will be inserted by students into **Jan22_SemManual_by_students.docx**. Students will work on own topic. Some suggestion can be found in [1], on the Internet or ted.com.

   If you would like you to get an extra credit insert or modify any pages of my current manual. Each insertion or update should start with the open tag **<**month your first letter of your first name + last name> and end with the close tag **</**month your first letter of your first name + last name>. For example **<Jan22 John Smith>** topic description **</Jan22 John Smith>.**

   Students should insert a topic into **Jan22_SemManual_by_students.docx** according to 2_Guidelines_Reports.doc and the topic must be presented in class for about 15 – 20 min, see 1_PowerPoint_Guidelines.pdf, 1_Guide_Presentations.doc at http://classes.jgspectrum.com/classes/370_TJan22/Guidelines/. The video clips (e.g. tutorials) cannot exceed 40 % of the presentation time. The topic(s) should be accepted by the instructor. Students need to submit a chosen topic in advance by posting a topic name on page 2 of **Jan22_SemManual_by_students.docx**

3. 🗁**Course material:** All handouts are posted at **http://classes.jgspectrum.com/.** Click **Classes** menu, then a link labeled **CMPS 370: Seminar**, and you will find all **CMPS 218** documents there. You may copy them to your computer.

4. ♫**Email Policy:**
   I usually reply to emails that require a fast answer within 24-48 hours on weekdays. I will not reply to email messages that are unclear or disrespectful. Please include your class name and section in the **subject** field and a **salutation** (e.g. Dear Professor Goetz), so that it is clear that the message is not junk mail. **Students must check their e-mail messages on a daily basis. I will only use your Laverne e-mail address.**

5. 🎤**ZOOM OR WEBEX ETIQUETTE & TIPS**
   Online: This teaching modality expects students to be highly motivated and disciplined because these classes are self-paced within a structured, deadline-based format.

   1. I ask you the **webcam** be continuously **on** for attendance purpose.
   2. **Mute yourself** to avoid background noises that can disrupt the session, or to avoid embarrassing "hot mic" moments.
   3. Identify the icon gesture to **"raise hand" digitally**. Don't assume you can unmute yourself to speak unless you have been given permission by the instructor verbally or in writing (in the syllabus).
   4. **Speak only if prompted** or **appropriate**.
   5. **Keep your focus on the camera and maintain eye contact on the screen** - this shows you are **attentive** and **engaged**.
   6. **Limit facial expressions** that give away negative reactions.
   7. ***Electronic Devices:***
      a. **You need to get into mood of thinking and studying, not into a mood of texting or checking your email.** So, b*efore class begins*, **turn off cell phones**. The **cell phone vibrating** or a **student texting** can be **very distracting to those around the student,** including **the faculty.** Please don't use **cell phones, e-mails, keyboards, browsers** etc. **during lectures** unless the instructor asks you. **Your desktop/laptop** is to be **used only** for the purpose of lab exercises. **No recording devices** are allowed.
      b. **Note:** Students **who use their mobile phones** during class lectures tend to write down less information, **recall less information**, and **perform worse** on a multiple-choice test than those students who abstain from using their mobile phones during class (p.251). **Reference**: Kuznekoff. J. H. and Titsworth, S. (2013). The impact of mobile phone usage on student learning. *Communication Education, 62*(3), 233-252.
   8. **Classroom Behavior:**
      a. Everyone is expected to maintain a **courteous** and **respectful manner during lecture** or **student activities. Do not sleep, text, chat with your neighbors**, or work on assignments for other classes.
      b. **No clicking keyboard while lecturing**. **Please don't leave the class meeting during lectures.** All the above activities are **very disruptive** to others in class. Students who do not demonstrate appropriate classroom behavior will be asked to leave and receive an absence.
      c. **Patience** and **attention** to detail are important to succeed in programming classes.
   9. **Requirements:**
      a. Every time students should **save your work on your desktop/laptop** and to your cloud drive (**OneDrive** or Google drive or Dropbox) or your email in the case **your desktop/laptop crashes.**

   Good luck in your course!

6. 🕑**Tentative schedule (subject to change):**

Date	Topics
Jan 3	Syllabus, course overview, topics, presentation requirements, OneDrive cloud computing, type of research, types of projects and senior project requirements. Topics Overview.
Jan 10	Discussion and presentation of modern computer science topics, search techniques. Challenging computer science issues.
Jan 24	Topics Overview. Discussion and presentation of modern computer science technology topics. Discussion of computer resources. Insertion a topic into Jan22_SemManual_by_students.docx.

7. ☝PLAGIARISM POLICY:
A grade of "F" will be assigned for the course for any occurrence of the **academic dishonesty either in exam, quiz or assignments.** The dean may place on probation, suspend, or expel any student who violates the academic honesty policy. (See ULV catalog).

8. ☝ 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.

9. ☝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.

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