CECS 343: Intro to Software Engineering
Course Syllabus – Fall 2020

Instructor: Vatanak Vong
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Office: Virtual
Seminar: TuTh 6:30 – 7:30 PM (Virtual)
Lab: TuTh 7:30 – 8:45 PM (Virtual)
Office Hours: Tuesdays after Lab (Virtual)

Prerequisites[1]
 CECS 277 or CECS 282 or CECS 275 all with a grade of "C" or better.

Course Description[1]
Principles of software engineering, UML, modeling large software systems, requirements elicitation, object oriented analysis and design using UML, introduction to design patterns, implementation of large systems, software testing, project management, the software lifecycle. Semester long programming project. (3 units)

Recommended Text

Title	Author	Chapters
Software Engineering: A Practitioner's Approach 8th Edition	Roger S. Pressman Bruce R. Maxim	1-5, 8-14, 22-24 (Condensed)
Design Patterns: Elements of Reusable Object-Oriented Software	Erich Gamma Richard Helm Ralph Johnson John Vlissides	

Grading Components***

Presentation	100 points
Milestone 1	100 points
Milestone 2	100 points
Milestone 3	100 points
Retrospective 1	100 points
Retrospective 2	100 points
Retrospective 3	100 points
Participation	TBD*
Quizzes/Homework/Misc.	TBD**

* Participation points will not exceed 175. The total points vary due to class engagement
** Miscellaneous work will not exceed 175. The total points vary due to class engagement
*** All point distribution values and course requirements are subject to change based on instructor discretion

Grading Metrics

90%+	A
80% - 89.99%	B
70% - 79.99%	C
60% - 69.99%	D
59.99% & Below	F

Grades will follow a strict percentage rubric without a curve. In lieu of a curve, opportunities for accruing bonus points are possible if students exceed expectations for any and all work such as quizzes, exams, participation, etc. Although very rare, it is possible to incur negative points if a student's work is blatantly incorrect, plagiarized and/or well below the assigned minimum requirements.

Submission of Work

By default, all work must be submitted to the instructor's email no later than the designated time and date unless otherwise specified by the instructor.

Quizzes

Quizzes can be scheduled in advance as well as on demand (pop quizzes). Quizzes may be given either during lecture or during lab. Quiz duration can range from 5 minutes to an hour. Make up quizzes will be different from the original.

Recording Policy

In compliance with university policies and to protect student privacy any and all recordings (audio, video, pictures, etc.) of seminars, labs and office hours meetings are not permitted.

Late Work

All late work will not be accepted.

Project & Presentation

There will be a semester long group project where teams will experience designing software for a fictitious client. The project will be graded on a team's ability to accurately analyze a client's needs, develop a project plan, produce detailed technical diagrams and draft high level interfaces. Throughout the semester there will be periodic deliverables each with an associated retrospective session. Towards the end of the semester, teams must present their project. Additional points may be given to the team that produced the most thorough solution (ties are possible).

COVID Requirements (Remote class)
- Stable internet
- Work area with minimal distractions (background noise, pets, etc.)
- Zoom with Microphone
- Slack

Course Structure and Delivery Mode[1]

This course is conducted entirely online. You will access the course material and activities on BeachBoard and are required to participate in synchronous class meetings via Zoom.

If you need technical assistance at any time during the course or need to report a problem with BeachBoard, please contact the Technology Help Desk using their online form, by phone at (562) 985-4959.

Please contact the department if you need support with access to the Internet, electronic devices, or any other issues related to remotely accessing your course.

Department Office: ECS-552

Phone: 562.985.4285

Disclaimer[1]

In the event of extraordinary circumstances beyond the University's control, the content and/or evaluation scheme in this course is subject to change.

Attendance & Participation[1]

Attendance is crucial as lectures and lab will often contain content that are not found in the textbook. In addition, avid participation is expected from all students and will affect participation points if students are not contributing in any class activity or discussion. Students engaging in any behavior that is distracting to the class in any way will forfeit **ALL** participation points. Such activities consist of, but not limited to discussing unrelated topics, sleeping in class and doing work for another class. Students that are absent will forfeit their participation points for any day they miss unless it is an excused absence. Review the university policy on excusable absences (https://www.csulb.edu/academic-senate/policy-statement-17-17-attendance-policy-supersedes-01-01) Attending lecture, but missing lab or vice versa will count as an absence. It is the responsibility of the student to arrange with the instructor any make up work for excused absences. Repeat tardiness will result in a 25% reduction in the student's total participation points.

Cheating & Plagiarism[1]

There is **zero** tolerance for cheating, plagiarism, or any other act of violation of Academic Integrity policy. Work that you submit is assumed to be original unless your source material is documented appropriately, using proper citation. Using the ideas or words of another person, even a peer, or a web site, as if it were your own, is plagiarism. Any individual or group caught cheating on homework, lab assignments, or any exam/quiz will be subjected to full extent of academic actions allowed under University regulations. At a minimum, any student caught violating Academic Integrity Policy will receive no credit for the work concerned and one grade lower letter grade. To learn more about the University policy on Cheating and Plagiarism, visit: http://catalog.csulb.edu/content.php?catoid=5&navoid=369#cheating-and-plagiarism

University Withdrawal Policy[1]

Class withdrawals during the final 3 weeks of instruction are not permitted except for a very serious and compelling reason such as accident or serious injury that is clearly beyond the student's control and the assignment of an Incomplete grade is inappropriate. Application for withdrawal from CSULB or from a class must be filed by the student online whether the student has ever attended the class or not; otherwise, the student will receive a grade of "WU" (unauthorized withdrawal) in the course. More information regarding the University guidelines on Dropping and Withdrawing at: https://www.csulb.edu/student-records/dropping-and-withdrawing

Reasonable Accommodation[1]

Online courses are required to meet ADA accessibility guidelines. Students with a disability or medical restriction who are requesting a classroom accommodation should contact the Bob Murphy Access Center (BMAC) formerly known as Disabled Student Services at http://web.csulb.edu/divisions/students/dss/ and also notify the instructor. BMAC personnel will work with the student to identify a reasonable accommodation in partnership with appropriate academic offices and medical providers. Only approved BMAC petitions will be accommodated. BMAC will be available online Monday - Friday from 8:00 am to 5:00 pm unless stated otherwise online.

Personal Assistance[1]

Any student who is facing academic or personal challenges due to difficulty in affording groceries/food and/or lacking a safe and stable living environment is urged to contact the CSULB Student Emergency Intervention &

Wellness Program. Additional resources are available via Basic Needs Program. The students can also email supportingstudents@csulb.edu, call (562)985-2038, or if comfortable, reach out to the instructors as they may be able to identify additional resources

Additional Resources[1]

There are many services on campus to help you achieve success in your courses. Links to the following services are also available in BeachBoard course homepage under "CSULB Student Resources":

- Counseling and Psychological Services http://web.csulb.edu/divisions/students/caps/
- Disabled Student Services http://web.csulb.edu/divisions/students/dss/
- Enrollment Services https://www.csulb.edu/enrollment-services
- Financial Aid https://www.csulb.edu/financial-aid
- Learning Assistance Center https://www.csulb.edu/academic-advising/the-learning-center
- Student Health Services http://web.csulb.edu/divisions/students/shs
- Tutoring at CSULB http://web.csulb.edu/divisions/students/student_resources/tutoring.html
- University Library https://www.csulb.edu/university-library
- University Writing Center https://www.csulb.edu/university-writing-center

[1] From or partially from content found in the CoE syllabus template and course catalog.

Tentative Schedule

Week 1	
Week 2	
Week 3	
Week 4	
Week 5	
Week 6	**Milestone 1** **Retrospective 1**
Week 7	
Week 8	
Week 9	
Week 10	**Milestone 2** **Retrospective 2**
Week 11	
Week 12	
Week 13	
Week 14	**Fall Break**
Week 15	**Milestone 3** **Retrospective 3**
Week 16	**Presentations**