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| Sac State Logo - b & w, no text | **California State University, Sacramento**  **College of Engineering and Computer Science**  **Computer Science 191: Senior Project (Part2)**  **Spring 2023 Syllabus** |

# Instructor

Kenneth Elliott, M.S.

# Contact Information

I use the same e-mail address to answer questions and to receive your coursework. So, please use a descriptive subject in your e-mail. I get quite a bit of e-mail, and the subject helps a lot.

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| **E-Mail** | kenneth.elliott@csus.edu |
| **Office** | Online |

# Website

All the information including this syllabus – as well as other helpful information presented during the course – can be found on Canvas.

# Course Description

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| Catalog Description Continuation of the team group project begun in CSC 190. Teams apply software engineering principles to the design, implementation, testing, and deployment of their software product. All technical work is published using guidelines modeled after IEEE documentation standards. Oral and written reports are required. Senior project is completed with the successful delivery, installation and demonstration of the software along with all approved documentation. Lecture one hour, laboratory three hours. |  | Prerequisites CSC 190  Not currently enrolled in CSC 191 Textbook None |

# Course Expectations

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| * Teams are expected to self-organize, which requires cooperation and collaboration of all team members throughout the duration of the project. * Each team is expected to also collaborate with their project client throughout the duration of the project. * Each team is expected to apply the “Agile Principles” and to organize and do the work in accordance with the SCRUM methodology as presented in class. * The planning and actual work during CSc 191 is to be scheduled into a series of two-week sprints. * In collaboration with the team’s client, the uncompleted prioritized Product Backlog features and stories are to be reviewed (and re-prioritized if necessary) prior to the team selecting the number of feature-stories they estimate can be completed in each two-week sprint. These selected feature-stories become the Sprint Backlog. * At the end of each sprint, the team is to review what was accomplished, what went right, what could have gone better, what improvement(s) could be made in the next sprint, and agree and document their plan for improvement. * Reminder: The team is responsible for providing professional quality documentation, both in content and design for all required documentation. |  | * The objective of each sprint is to “finish” the design, development, integration, and testing work associated with the implementation of each of the feature stories included in the Sprint Backlog. * “Finish” means that the design and development work has been fully tested and successfully integrated. Work not “complete” is to remain in the Product Backlog until it is selected for a future sprint and “finished”. * At the end of each sprint the team is to meet with the client to demonstrate the completed (go-live ready) work. The work completed should be assessed by the client, suggested changes discussed and if agreed to, the changes should be prioritized and inserted into the Product Backlog as new unfinished work. * Each team upon delivery and acceptance of the software is also responsible for providing their client with System Test Report, Maintenance Manual, and User Manual. * The project is to be completed, delivered and accepted by the client on or before Friday of the last week of instruction (Dec 7th, 2022). * The CSC Senior Project Showcase participation is required. |

# Lectures

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| * Please ask questions and give comments. I enjoy back-and-forth interactions with students. There are no dumb questions! * Attendance is vital to your success in the course. If you need to miss a class, you are responsible for checking with a classmate about the material we covered. |  | * Pop quizzes, if given, **cannot** be made up. * During lectures **no** electronic devices, of any type, are allowed. This includes laptops, phones, and other texting devices. **No** exceptions. * I will provide all the lecture slides in PDF format on Canvas. |

# Assignments

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| * My job is not to give you the correct solution, but to help you figure it out by yourself. There are no “dumb” questions, so don’t be afraid to ask. But, don’t be upset if I don’t given an answer! * I don’t mind students discussing, ahead of time, how to find a solution. In fact, it’s a great idea! Just don’t share solutions – just ideas! * Late assignments are penalized. I will take off 10% per day. Weekend days are counted. |  | * Do **not** cheat or help others cheat. This means you cannot show your solution to another student or show how to do it. For example: don’t copy off another student’s screen or let them copy off yours. * In **any** case of cheating, both the student, that copied the solution, and the one who allowed it, will receive a zero. Depending on the severity, I might have to notify the College. * You only get to submit each assignment once – so make sure you did it correct! |

# Deliverables

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| * Properly Maintained Sprint Backlog (Each Sprint) * Properly maintained code repository (Each Sprint) * Bi-weekly Sprint Execution Report (Each Sprint) * Bi-weekly Lab Advisor Meeting Agenda/ Minutes (Each Sprint) * Bi-weekly Client Meeting Agenda/Minutes (Each Sprint) |  | * A shippable product (end of Course) * Oral presentation slides (end of Course) * Showcase poster * Showcase website * User manual * Maintenance manual * System test report * Client’s signed acceptance of delivery letter |

# Grading

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| Graded By | Grading Category | Type | Weight |
| Team | Peer Evaluation | Individual | 5% |
| Instructor | Individual Assignments | Individual | 5% |
| Instructor | Oral Presentation Performance | Individual | 10% |
| Instructor | End-of-semester deliverables | Team-based | 40% |
| Lab Adviser | Sprint Performance (Attendance + Sprint Performance + End-of-Sprint Deliverables) | Team-based | 40% |

# Grading Scheme

**Name Range**

**A 100%**

**A - < 94.0%**

**B + < 90.0%**

**B < 87.0%**

**B – < 84.0%**

**C + < 80.0%**

**C < 77.0%**

**C – < 74.0%**

**D + < 70.0%**

**D < 67.0%**

**D – < 64.0%**

**F < 61.0%**

# COVID – 19

# Please visit the following page for more about CSUS’ polices regarding COVID-19:

# https://www.csus.edu/student-affairs/emergency-student-information/

# (https://www.csus.edu/student-affairs/emergency-student-information/)

# Students with Disabilities

If you have a disability and require accommodations, you need to provide disability documentation to SSWD (Services to Students with Disabilities), Lassen Hall 1008, (916) 278-6955. Please discuss your accommodation needs with me after class or in lab early in the semester.

# Housing & Food Security

If you experience difficulties with financial, housing or food security, please contact Basic Needs Division of Student Affairs (

https://www.csus.edu/student-affairs/crisis-assistance-resource-education-support/ (https://www.csus.edu/student-affairs/crisis-assistance-resource-educationsupport/)

) For assistance.

# Parents & Families

If you are students with children, please feel free to let me know your needs. Also, please reach out to Parents & Families Division of Student Affairs (https://www.csus.edu/student-affairs/centers-programs/parents-families/ (https://www.csus.edu/student-affairs/centers-programs/parentsfamilies/) For all resources available on campus.

# Writing Center

For free, one-on-one help with reading or writing in any class, visit the University Reading and Writing Center (URWC) in Calaveras Hall 128. Homepage is http://www.csus.edu/writingcenter

# ECS Tutoring Services

### Tutors are prepared to assist you in the coursework for all ECS majors, and they are anxious to help you reach your academic goals.

<https://www.csus.edu/college/engineering-computer-science/student-success/ecs-tutoring.html>

As an option, you can also access ECS tutors through discord during their scheduled times,

<https://discord.com/channels/@me>

Paste in the following link <https://discord.gg/tK8qMNa> and click join

# Counseling Services

Confidential individual and group counseling is offered

Call 916-278-6461

or visit the website at:

<https://www.csus.edu/student-life/health-counseling/counseling/>

# Peer Counseling Services

Peer Counseling is an open non-judgmental space where you can confidentially speak to a peer about anything and everything!  Peer Counselors are not licensed professionals but rather students who are trained to be supportive, helpful listeners and problem solvers.  Learn more about your 2022-2023 Peer Counselors below.

<https://csus.co1.qualtrics.com/jfe/form/SV_9WAMNNY2syE9g7b>