



USC University of
Southern California

Individual Report for Instructor Wang
(30113-20183 : CSCI-310 Software
Engineering (30113))

Project Title: **Learning Experience Evaluations - Fall 2018**

Courses Audience: **138**
Responses Received: **77**
Response Ratio: **55.80%**

Report Comments

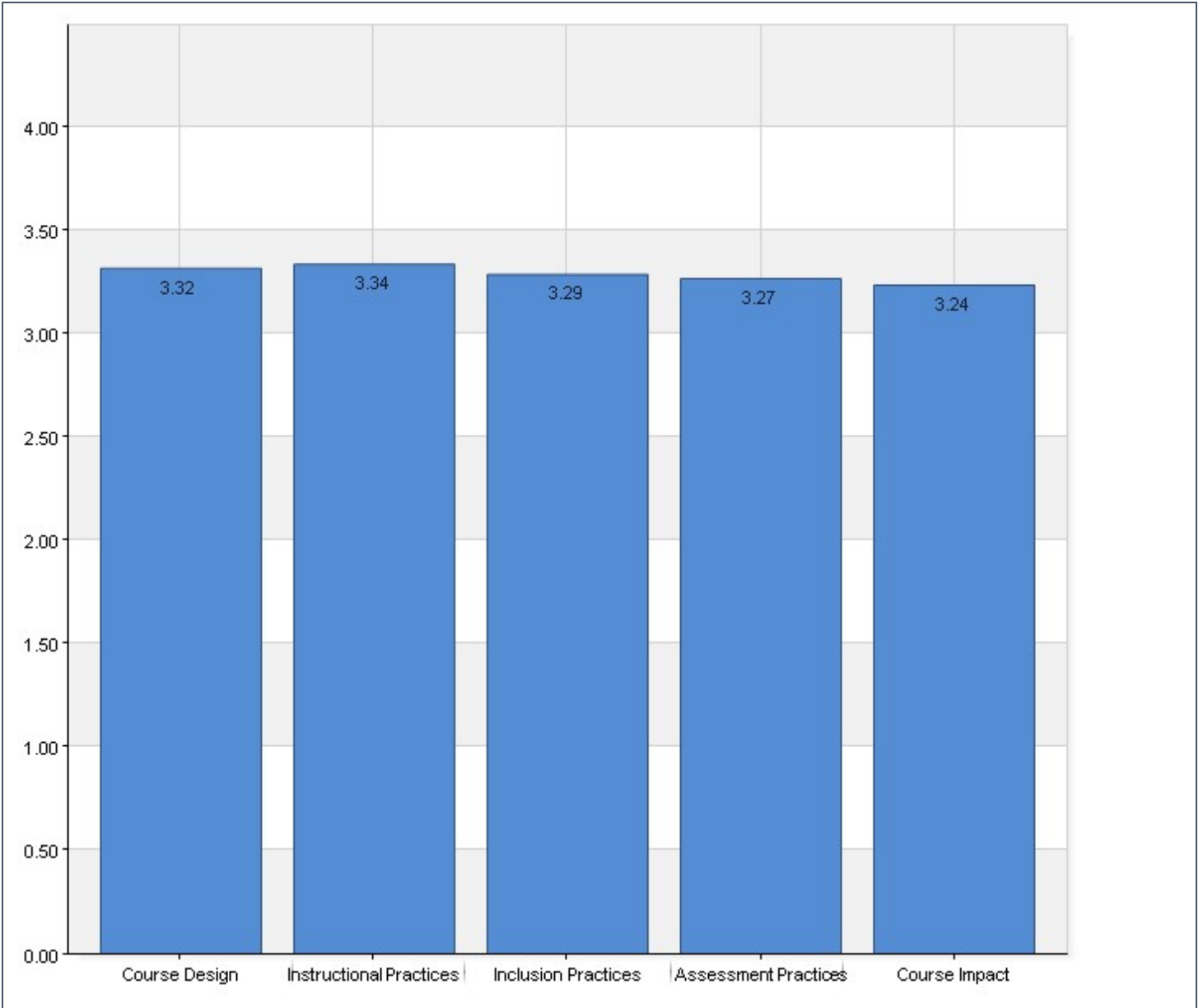
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Creation Date: **Thursday, February 14, 2019**



LEARNING EXPERIENCE SUBSCALE ANALYSIS

Learning Experience Subscale Average Score



Competency	Course-instructor	Standard Deviation
Course Design	3.32	+/-0.63
Instructional Practices	3.34	+/-0.70
Inclusion Practices	3.29	+/-0.69
Assessment Practices	3.27	+/-0.73
Course Impact	3.24	+/-0.75

COURSE DESIGN

	N	Mean	Std. Deviation
The course objectives were well explained.	75	3.35	0.56
The course assignments were related to the course objectives.	75	3.31	0.64
I understood what was expected of me in this course.	73	3.32	0.70

INSTRUCTIONAL PRACTICES

	N	Mean	Std. Deviation
The instructor carefully explained difficult concepts, methods, and subject matter.	75	3.29	0.65
The instructor encouraged questioning and discussion of course topics from the students.	75	3.35	0.71
The instructor encouraged me to do my best work.	75	3.37	0.73

INCLUSION PRACTICES

	N	Mean	Std. Deviation
The course materials included diverse perspectives OR applications to diverse populations.	75	3.23	0.67
The instructor used a variety of teaching approaches to meet the needs of all students.	75	3.13	0.79
The instructor was receptive to the expression of diverse student viewpoints.	75	3.37	0.63
The instructor demonstrated sensitivity to students' needs and diverse life experiences.	75	3.43	0.62

ASSESSMENT PRACTICES

	N	Mean	Std. Deviation
The assessments/assignments reflected what was covered in the course.	74	3.26	0.74
The grades I have received thus far reflect the QUALITY of my performance in the course.	73	3.29	0.70
The criteria for good performance on the assignments or assessments were clearly communicated.	73	3.27	0.77
The instructor's evaluation of my performances was constructive.	73	3.25	0.72

COURSE IMPACT

	N	Mean	Std. Deviation
I learned a lot from this course. I learned perspectives, principles, or practices from this course that I expect to apply to new situations.	75	3.25	0.76
This course challenged me to think critically and communicate clearly about the subject.	75	3.17	0.78
This course provided me with information that may be directly applicable to my career or academic goals.	73	3.29	0.74

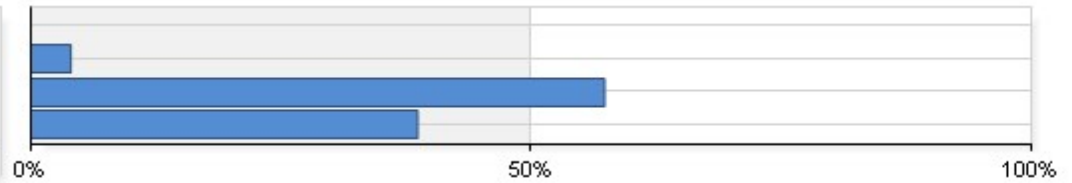
LEARNING EXPERIENCE SUBSCALE ANALYSIS: COURSE DESIGN

COURSE DESIGN

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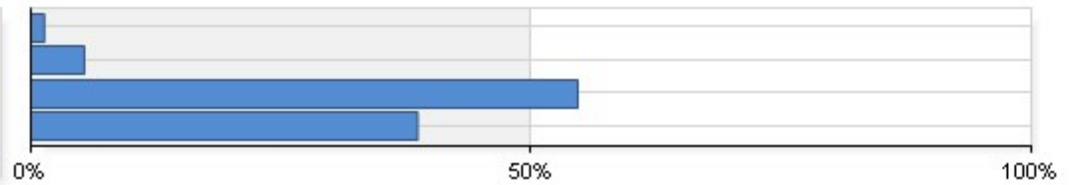
1. The course objectives were well explained.

1 Strongly Disagree	0	0.00%
2 Disagree	3	4.00%
3 Agree	43	57.33%
4 Strongly Agree	29	38.67%
Total	75	



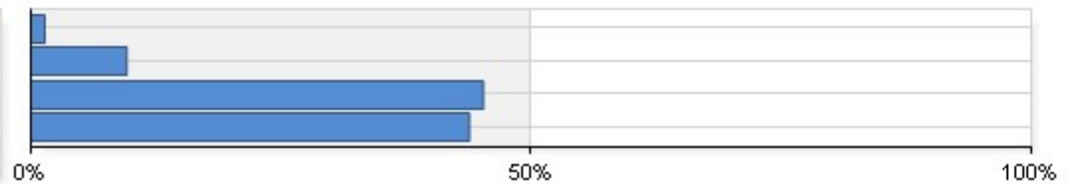
2. The course assignments were related to the course objectives.

1 Strongly Disagree	1	1.33%
2 Disagree	4	5.33%
3 Agree	41	54.67%
4 Strongly Agree	29	38.67%
Total	75	



3. I understood what was expected of me in this course.

1 Strongly Disagree	1	1.37%
2 Disagree	7	9.59%
3 Agree	33	45.21%
4 Strongly Agree	32	43.84%
Total	73	



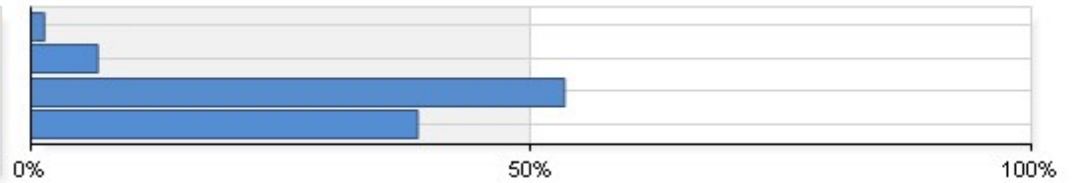
LEARNING EXPERIENCE SUBSCALE ANALYSIS: INSTRUCTIONAL PRACTICES

INSTRUCTIONAL PRACTICES

	N	Mean	Std. Deviation
The instructor carefully explained difficult concepts, methods, and subject matter.	75	3.29	0.65
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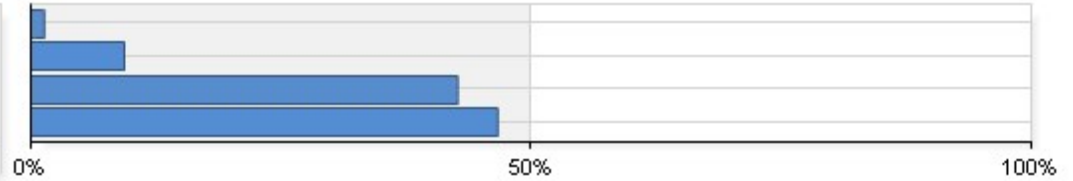
1. The instructor carefully explained difficult concepts, methods, and subject matter.

1 Strongly Disagree	1	1.33%
2 Disagree	5	6.67%
3 Agree	40	53.33%
4 Strongly Agree	29	38.67%
Total	75	



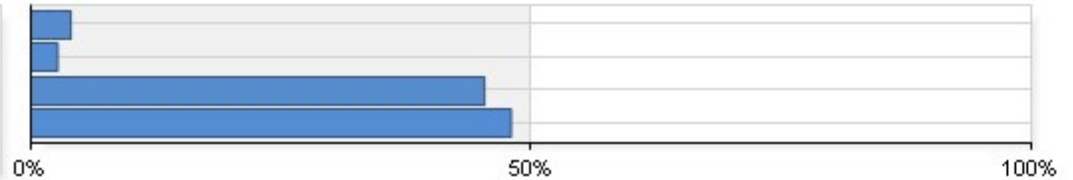
2. The instructor encouraged questioning and discussion of course topics from the students.

1 Strongly Disagree	1	1.33%
2 Disagree	7	9.33%
3 Agree	32	42.67%
4 Strongly Agree	35	46.67%
Total	75	



3. The instructor encouraged me to do my best work.

1 Strongly Disagree	3	4.00%
2 Disagree	2	2.67%
3 Agree	34	45.33%
4 Strongly Agree	36	48.00%
Total	75	



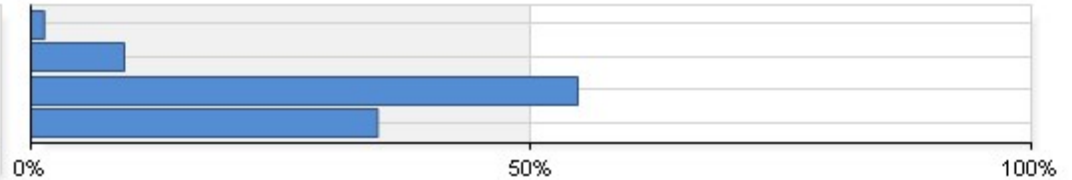
LEARNING EXPERIENCE SUBSCALE ANALYSIS: INCLUSION PRACTICES

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	N	Mean	Std. Deviation
The course materials included diverse perspectives OR applications to diverse populations.	75	3.23	0.67
The instructor used a variety of teaching approaches to meet the needs of all students.	75	3.13	0.79
The instructor was receptive to the expression of diverse student viewpoints.	75	3.37	0.63
The instructor demonstrated sensitivity to students' needs and diverse life experiences.	75	3.43	0.62

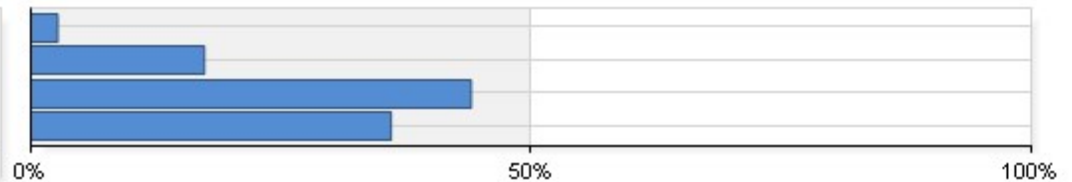
1. The course materials included diverse perspectives OR applications to diverse populations.

1 Strongly Disagree	1	1.33%
2 Disagree	7	9.33%
3 Agree	41	54.67%
4 Strongly Agree	26	34.67%
Total	75	



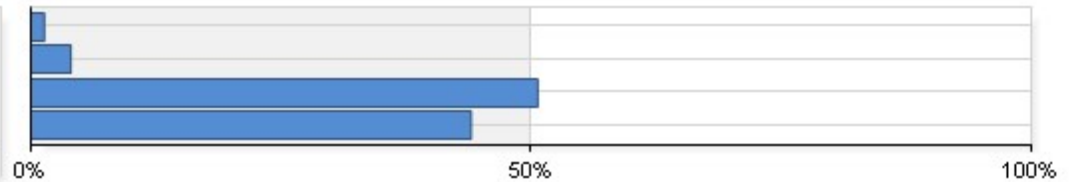
2. The instructor used a variety of teaching approaches to meet the needs of all students.

1 Strongly Disagree	2	2.67%
2 Disagree	13	17.33%
3 Agree	33	44.00%
4 Strongly Agree	27	36.00%
Total	75	



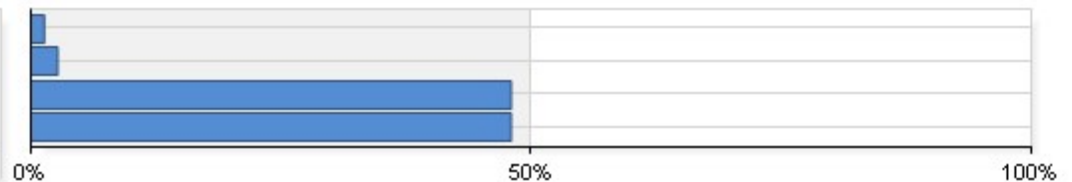
3. The instructor was receptive to the expression of diverse student viewpoints.

1 Strongly Disagree	1	1.33%
2 Disagree	3	4.00%
3 Agree	38	50.67%
4 Strongly Agree	33	44.00%
Total	75	



4. The instructor demonstrated sensitivity to students' needs and diverse life experiences.

1 Strongly Disagree	1	1.33%
2 Disagree	2	2.67%
3 Agree	36	48.00%
4 Strongly Agree	36	48.00%
Total	75	



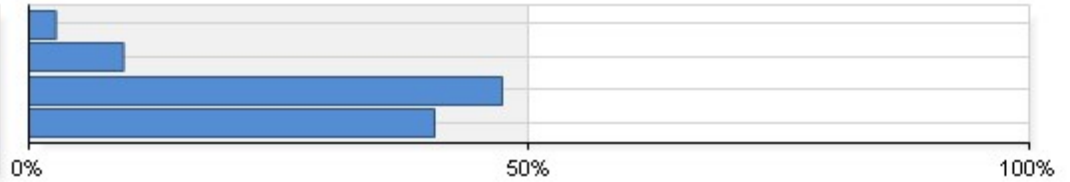
LEARNING EXPERIENCE SUBSCALE ANALYSIS: ASSESSMENT PRACTICES

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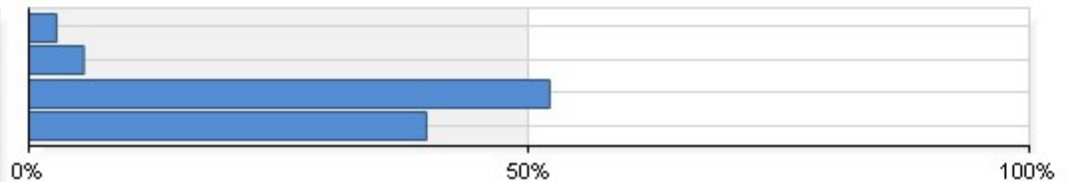
1. The assessments/assignments reflected what was covered in the course.

1 Strongly Disagree	2	2.70%
2 Disagree	7	9.46%
3 Agree	35	47.30%
4 Strongly Agree	30	40.54%
Total	74	



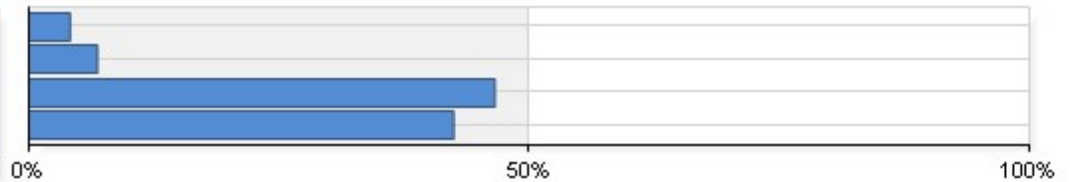
2. The grades I have received thus far reflect the QUALITY of my performance in the course.

1 Strongly Disagree	2	2.74%
2 Disagree	4	5.48%
3 Agree	38	52.05%
4 Strongly Agree	29	39.73%
Total	73	



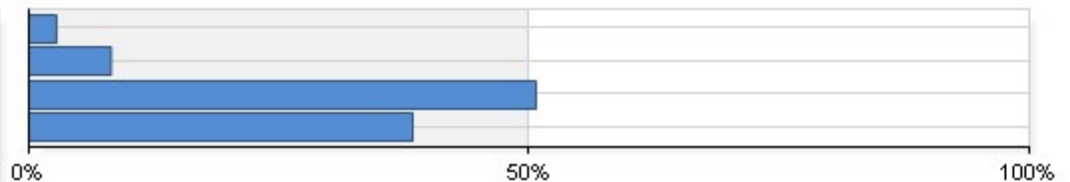
3. The criteria for good performance on the assignments or assessments were clearly communicated.

1 Strongly Disagree	3	4.11%
2 Disagree	5	6.85%
3 Agree	34	46.58%
4 Strongly Agree	31	42.47%
Total	73	



4. The instructor's evaluation of my performances was constructive.

1 Strongly Disagree	2	2.74%
2 Disagree	6	8.22%
3 Agree	37	50.68%
4 Strongly Agree	28	38.36%
Total	73	

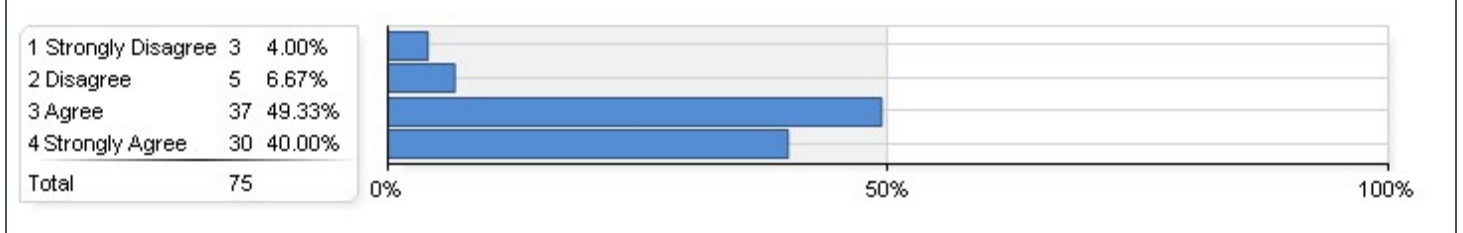


LEARNING EXPERIENCE SUBSCALE ANALYSIS: COURSE IMPACT

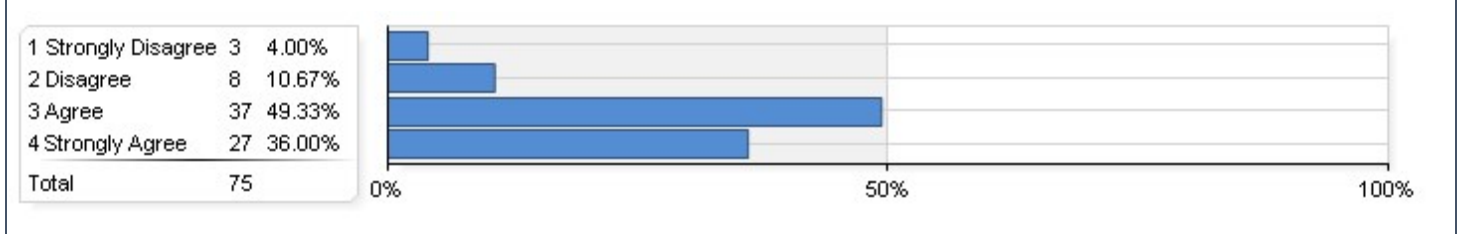
COURSE IMPACT

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2. This course challenged me to think critically and communicate clearly about the subject.



3. This course provided me with information that may be directly applicable to my career or academic goals.



If you have selected at least a "Strongly Disagree" or "Disagree" option with one of the previous statements on COURSE DESIGN, INSTRUCTIONAL PRACTICES, ASSESSMENT PRACTICES or COURSE IMPACT, please describe a change that would improve that aspect of the course.

Students
Everything about this course was garbage. I learned nothing new. This course is so outdated and the assignments are all dotcom era garbage that is mostly irrelevant now.
The second project required students to work with different API (student were randomly assigned). Nonetheless, the levels of sophistication of those API development were not uniform. Thus, some students had good time working with the API they were assigned while other students had trouble getting their assigned API work. In addition to that, neither the professor nor the TAs understand how the API work and could not help students
More variety of teaching methods (as opposed to just lectures). This could include offering more opportunities for interactive exercises during the lecture sessions.
The group project is incredibly repetitive towards the end, could perhaps be shortened. A lot of the material in general feels very repetitive, especially towards the end.
I believe that the assignments were engaging and structured around what the course was intended to teach but the lectures were very repetitive and dry and often did not directly relate to anything we had actual experience with and would go over our heads. I would spend more time explaining the homework and project in lecture.
Lecture/slides were the only way teaching was approached. Not much feedback on assignments, didn't get the midterms back.
The material in this class is dry and a lot of it is overlap from what we have learned in previous classes or information that I have already learned in internships (would have been good to learn earlier), so I think taking into account what we have already learned in previous classes is important for planning what to teach.
It feels like too much emphasis is put on jumping through hoops rather than actually building a good piece of software. It was also ridiculous to expect us to learn android and code the entire first checkpoint in a week and a half.
I think that the exams don't really reflect the quality of students' performance. It was too memorization-based: put the right answers on your cheat sheet, and you would get a good grade.
This course is not very exciting. It is known for being dull and a course where you just complete it and then move on with your life. I believe the professor did a good job making it more interesting, but it was still dull. I do not know how to make this course exciting but at least it shouldn't be this dull. I believe it is a matter of the concepts being taught, not the instruction.
The projects are a good way to do work, but often times they were too close together and the expectation was not clearly defined. There are also cases where a certain team member doesn't do the work and out grade suffers a lot since the project phases are worth so much
I really enjoyed this course – specifically the lectures. Many things we were forced to accept in other courses were finally explained here (for example testing and Github). The project has been okay however I think the four different projects were not equivalent in difficulty.
The biggest assignment has very little to with our lectures.
The group project was too coding heavy, even though the project was supposed to teach documentation skills, and interactions with the customer. I wish we could have done a web based project instead of Android, because there was alot of overhead in learning how to develop an android app.
The criteria for the assignments are not clear. Even if we did everything according to the rubric, we still got points deducted. Seems like there appeared to be a miscommunication between the professor and the TA/ Graders, which made the assignments harder to do.
The structure of the course was all lectures, so I would disagree that the instructor used a variety of teaching approaches. However, I enjoyed the format.
The class was average in difficulty, which is unlike what we have heard from past semesters. The professor, having been new to the University, definitely seemed to have a great heart but didn't seem to take the class as seriously as expected. Due to this, many students slacked off and didn't attend most of the lectures. The professor often went off on tangents and was difficult to understand at times, although he was definitely new to the material. It is understandable as he mentioned he was chosen to teach this course last minute.

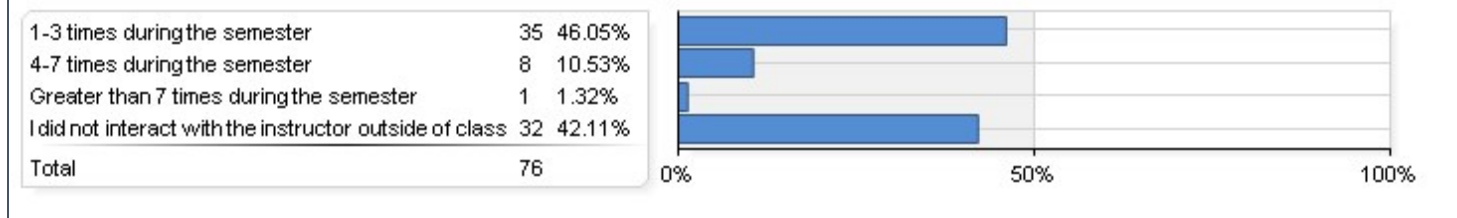
Is there additional information or feedback that you would like to share with instructor Chao Wang?

Students
Amazing course and professor, however some of the examples given were confusing (at least not very intuitive in my opinion). I wish we were given a choice to do either iOS or Android App.
Class was interesting! Despite all the times when you said the material was boring.
This man is awesome.
Overall a great Professor! Professor Wang did his best every lecture to make even the most abstract concepts incredibly applicable to our lives and our potential career goals. He was always open to questions and easy to communicate with. In general, this course proved to be a very positive experience. I would love to take another course with Professor Wang in the future!
Make lectures more engaging please.... I have you for CSCI 360 next semester and I can't bear another semester like this. Just please try to be more engaging and not so quiet.
n/a
Quizzes do a poor job of reinforcing material. The group project sprints have way too much documentation. Midterm and final should be changed to better assess someone's understanding of things instead of whether they happened to write a random definition down on a note sheet.
Great lecture slides!
give us access to the slides when we take the quiz
I really appreciated how he made the course manageable without sacrificing the material covered.
The documentation requirement is annoying.
Good teacher
Your laissez-faire attitude is great. I feel comfortable to bring up any related topic, so this course is clearly applicable to rl. Some of the course content to do with paths and conditions is very very similar and this course would be better taught going through the nuanced situations and applications for each method of testing, verification etc. because otherwise it's left up to us to distinguish the contexts and utility for each variation.
Professor Wang is a great professor and was always willing to help. The content in this course is very dry, but that was not his fault. He did his best to make lectures interesting. I really appreciate all the work he did for this class. I am planning on taking him for Introduction to Artificial Intelligence next semester.
More time in class explaining Project 1 would have been helpful
I know this topic is not very engaging, but it would be nice if you found a way to make the class more enthusiastic about learning more about Software Engineering.
I think the class could have been more interesting, but I understand the material is dry. It is hard because half the class is overlap with things that I already know, but I think you were still enthusiastic and did a good job explaining the material.
310 is a pretty tough class to teach (inherently kind of boring), but thank you for being very clear with course expectations (e.g. providing rubrics for assignments beforehand), and for trying your best to be enthusiastic every day!
Update: thinking about it more, I think that CS 201 and CS 310 could be combined into 1 class. There is a lot of overlap between the 2 classes, and I think that merging the two classes, and giving students another tech elective slot, would be more valuable than having to sit through both.
You did a good job making this more interesting, but it was still pretty dry.
I think the classes could be less lecture and more interactive — for example if the content is likely to have been covered in CSCI 104 or CSCI 201, we should be expected to look over the slides on our own, and spend more time with new concepts in class.
great professor, very kind and helpful
n/a
This was really a great course. Thank you very much.
Great Job overall, your attitude and consideration for students really made the course and lecture enjoyable.
Some parts of the class moved a little quickly but for the most part lectures went well
Great class
Great Job!
Incorporate more in-class activities to test that we are following along
The lecture is great and i think the difficulties of group projects can be improved. Some groups have harder projects than other
Please provide stricter guidelines and expectations for assignments as it was often difficult to assess what was required out of the students per assignment. Thank you for teaching the course this semester!

STUDENT ENGAGEMENT ANALYSIS

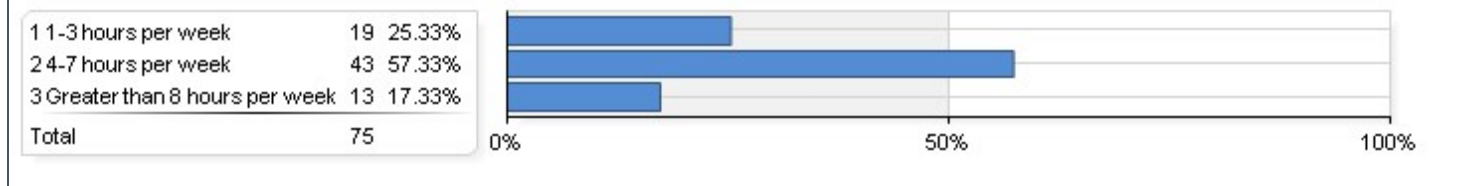
Number of Instructor Interactions Outside of Class

1. Approximately how many times did you interact with instructor Chao Wang outside of class? (e.g., via email, office hours)

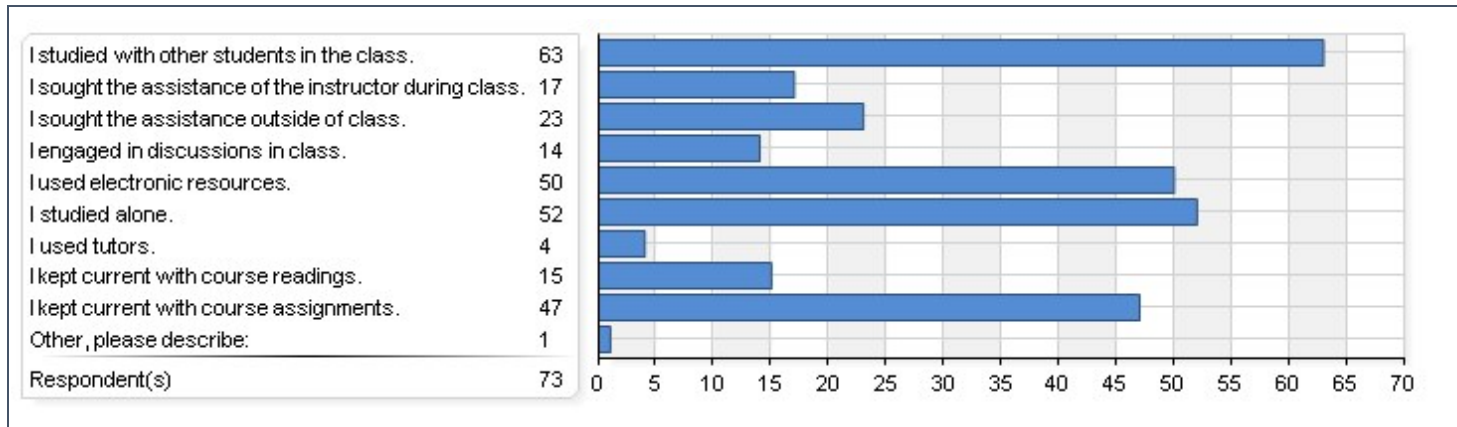


Approximately how many hours did you spend on coursework outside of the classroom?

1. Approximately how many hours did you spend on coursework outside of the classroom?



In what ways have you participated in your learning for this course? (Please select all that apply.)



Please describe the MOST valuable aspect(s) of this course.

Comments
Interesting project, working in a team, design patterns and testing.
This class provides useful knowledge that could really apply to real life.
Group project and sprints
The software engineering concepts and techniques are practical for future jobs in the industry.
Semester project
Learning how to go through the sprint and demo process with a team was great. I learned to use many resources outside the scope of this class to be able to solve my problems while working on assignments.
Nothing
Working together with others in a team and planning sprints.
team projects
The course material is very applicable to the types of careers a lot of students in this class are pursuing. The material is also taught well, by an instructor who clearly wants his students to succeed.
The TAs are very accessible!
Working as a group for the project
Gives you an understanding of the real world software development process in industry.
I thought the final project and working with my team to get a project done using the iterative development process was the most valuable aspect of this course.
learned how to make an android app
assignments where we learned tools like JUnit and Ant
Learning about testing
The Projects were difficult but informative
Requirements gathering, draw.io, android espresso, android Maybe the verification and SAT SMT stuff will come in use later on, but not for entry level.
Learning more about android development and working on a project as a team.
Learning the non-technical aspects of software engineering and getting a chance to work with a team on a long-term project
I enjoyed learning android studio.
It teaches very good skills for working in the software industry.
Team project
Working in a group to complete the projects and actually dividing up work to see what it is like to have multiple people contribute to the same project.
I really appreciated getting to learn Android development.
testing, best see practices, tools, final project
learned skills highly applicable to industry. Thoughtful projects.
the group project
Learning Android mobile app development.
The class was EXTREMELY well organized. And the assignments were the most clear in terms of rubric and objective out of any class I've taken at USC thus far. Chao should give lessons to other instructors on how to properly explain assignments.
Professor was very clear
The topics covered were very relevant to what I anticipate to see in my career.
The culminating software engineering project.
The industry/job related assignments and topics.
Project was cool
Learning about agile methods
He prepares a lot for the class and tries to make the material as interesting as possible
I thought the examples were most valuable.
Team projects.
This course introduced me to a new side of Computer Science. I think I have obtained the skills to work effectively in a group project.

Comments
The experience of being in a real software development team. Concepts of good software design and validation
Working on our teams and promoting effective group communication
I think articulating the software engineering principles and teaching them using the assignments was effective for me to remember them and were relevant to my career.
Team project
I liked that we learned Android because I never used that language before.
Group projects and content related to industry.
Learning the design / documentation process that will be used in the real world.

Please describe the LEAST valuable aspect(s) of this course.

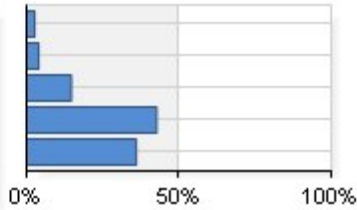
Comments
N/A
This class contains too many theories which are dry and not very useful.
n/a
Some concepts are abstract and we did not have the chance practice them (for example, in assignments or projects).
Feels a bit tedious, and memory focused
N/A
Everything
Some of the lectures were very dry at times.
n/a
The lectures can be a bit boring at times, which could be improved by offering more variety to these sessions.
None.
none
Grading \neq effort or even quality of work, mostly just meeting requirements
I thought the lectures were the least valuable aspect of this course.
A lot of the information is repetitive if you've had an internship.
Group project with bad teammates
The projects took too long for the amount of time given
Not really a least valuable aspect but I wish we worked more in depth with git because I am still confused on how some aspects of it work.
Some of the lectures felt unnecessary/not helpful for the assignments that were due soon
There was a lot of theory that was presented in the class, but we were unable to actually practice implementing the ideas of these theories.
A lot of overlap of material I already know.
Some of the topics can get a bit boring, but that is part of the nature of the course.
Exams, and the fact that the goals of CS 310 overlap significantly with those of CS 201. Merge the 2 courses!!
Almost self-explanatory material being taught.
I did not like the structure of the course as lecture style with powerpoint slides. It is not very engaging.
use of some outdated tools
Some classes had lectures on topics that are never gone over again, seem less relevant.
Learning some topics and tools that are a good intro to graduate school courses but not useful for undergraduates.
CP's
I feel the project tests our ability to code more than it does our ability to apply what we learned in class.
Overall, this class feels redundant with CS201 and should not be mandatory.
Long lectures that are difficult for students to engage with. Understandably this is difficult to do with certain topics and is a perennial problem of all education.
Hard to follow along in lecture — perhaps a class workbook with blanks we can fill in what make it easier to focus, or clicker questions like in Chemistry courses. Would have been easier to focus if the class was more interactive instead of just long lectures
Massive emphasis on random testing stuff
I think some quizzes required a digest of material before taken.
The exams were not as useful to evaluate the course material as the projects were.
N/A
How often one has to plan group meetings with divergent and hectic schedules.
Some of the lecture material was not engaging nor relevant to the assignments we were currently working on
I really disliked the first assignment and the additional sprints at the end of the course. The other assignments were helpful.
Documentation
The lectures were very dry and difficult to keep up with
Lectures

VITERBI SUPPLEMENTAL QUESTIONS

Overall, how would you rate Instructor Chao Wang?

1. Overall, how would you rate Instructor Chao Wang?

1 Poor	2	2.67%
2 Below Average	3	4.00%
3 Average	11	14.67%
4 Above Average	32	42.67%
5 Excellent	27	36.00%
Total	75	

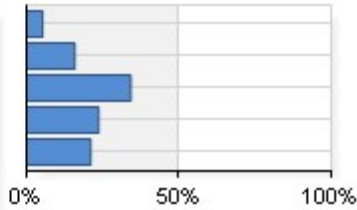


Statistics	Value
Response Count	75
Mean	4.05
Median	4.00
Mode	4
Standard Deviation	0.96

Overall, how would you rate this course?

1. Overall, how would you rate this course?

1 Poor	4	5.26%
2 Below Average	12	15.79%
3 Average	26	34.21%
4 Above Average	18	23.68%
5 Excellent	16	21.05%
Total	76	



Statistics	Value
Response Count	76
Mean	3.39
Median	3.00
Mode	3
Standard Deviation	1.14