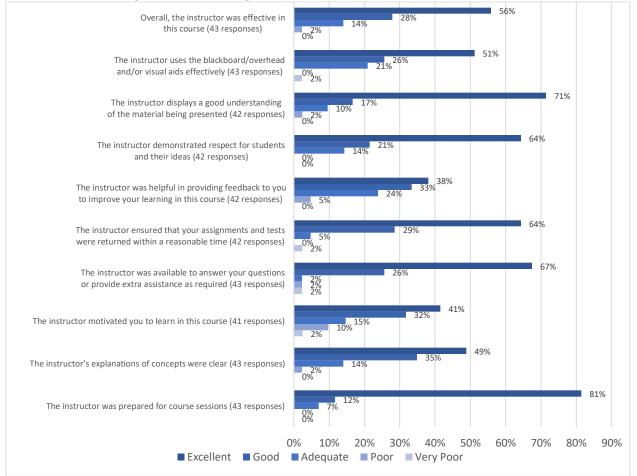
Course Experience Survey Results CSC 111 – Fundamentals of Programming I: Engineering Applications Term: January 2021

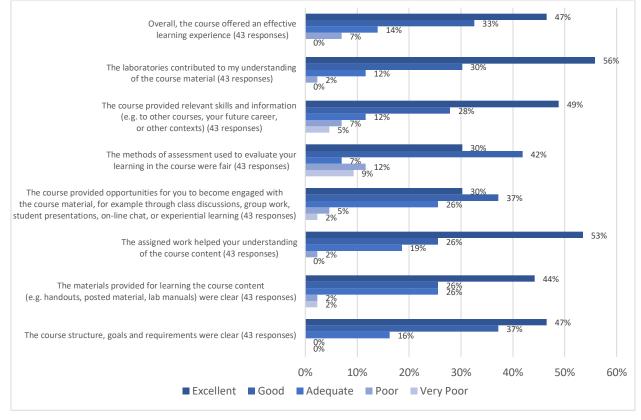
The following two graphs provided the consolidated quantitative survey results of this multisection offering. These consolidated results focus on student rating's on teaching and course design.

Subsequent pages provide the survey results from each individual section including students' written comments.



Instructor's Teaching – Student Ratings

Course Design – Student Ratings





UVic CES Instructor Report 202101 - Celina Berg -FUNDMNTL PRGRMNG:ENGR APS - CSC 111 - A01 (CRN 20686)

Project Title: UVic Course Experience Survey - Spring 2021

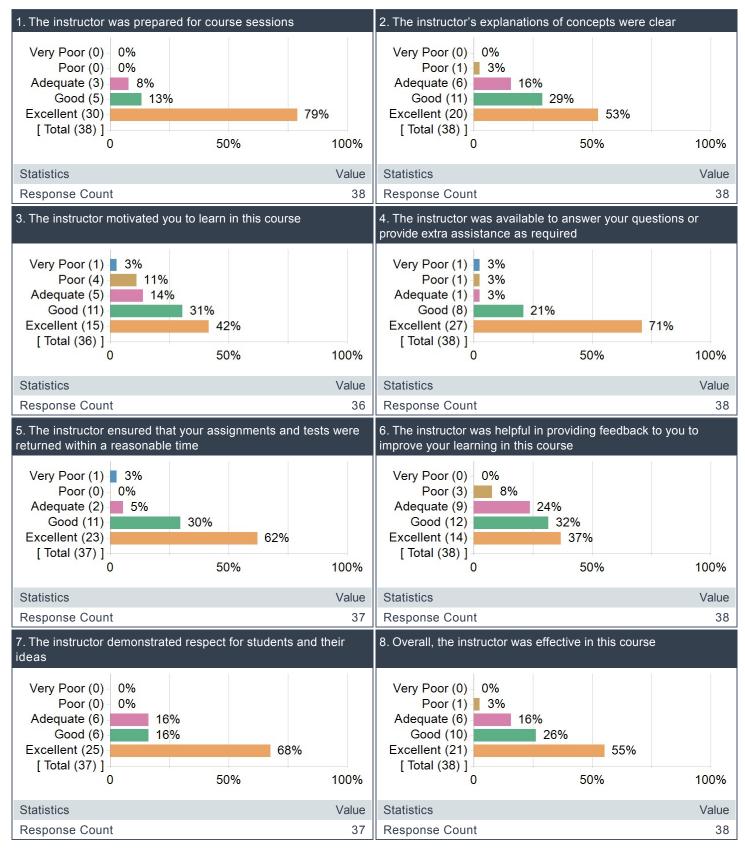
Courses Audience: **92** Responses Received: **39** Response Ratio: **42%**

Subject Details	
CRN	20686
VNUMBER	V00129143



Creation Date: Wednesday, August 4, 2021

I Instructor's Teaching - Students' Ratings on the Following Statements:



Il Course Design - Students' Ratings on the Following Statements:

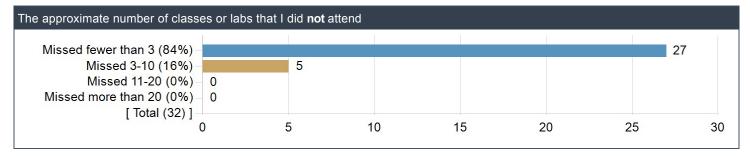
1. The course structure, goal	s and requirements wer	e clear	2. The materials provided for handouts, posted material, la		· · ·
Very Poor (0) 0% Poor (0) 0% Adequate (6) 169 Good (14) Excellent (18) [Total (38)] 0	% 37% 47% 50%	100%	Very Poor (1) 3% Poor (1) 3% Adequate (10) Good (9) Excellent (17) [Total (38)] 0	26% 24% 45% 50%	100%
Statistics		Value	Statistics		Value
Response Count		38	Response Count		38
3. The assigned work helped content	your understanding of t	the course	4. The course provided opport with the course material, for group work, student presenta learning	example through class	discussions,
	3% 24% 55% 50%	100%	Very Poor (1) 3% Poor (2) 5% Adequate (8) 2 Good (15) Excellent (12) [Total (38)] 0	21% 39% 32% 50%	100%
Statistics		Value	Statistics		Value
Response Count		38	Response Count		38
5. The methods of assessme the course were fair	ent used to evaluate you	r learning in	6. The course provided releva other courses, your future car		n (e.g. to
Very Poor (3) 8% Poor (4) 11% Adequate (3) 8% Good (16) Excellent (12) [Total (38)] 0	42% 32% 50%	100%	Very Poor (2) 5% Poor (3) 8% Adequate (4) 11% Good (12) Excellent (17) [Total (38)] 0	32% 45% 50%	100%
Statistics		Value	Statistics		Value
Response Count		38	Response Count		38
7. Overall, the course offered Very Poor (0) - 0% Poor (3) - 8% Adequate (5) - 13% Good (13) Excellent (17) [Total (38)] 0		perience 100% Value			

III Statements About The Students:

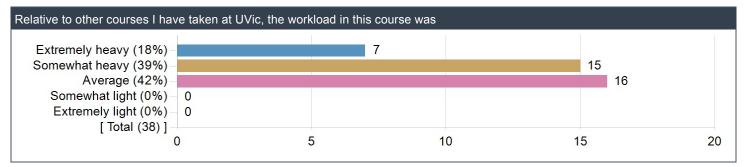
My primary reason for taking the course.

My primary reason for taking the course.				
Interest (5%) – Program requirement (95%) –	2			36
Reputation of Instructor (0%) – 0 Reputation of course (0%) – 0				00
Timetable fit (0%) – 0 [Total (38)]				
[lotal (50)] 0	10	20	30	40

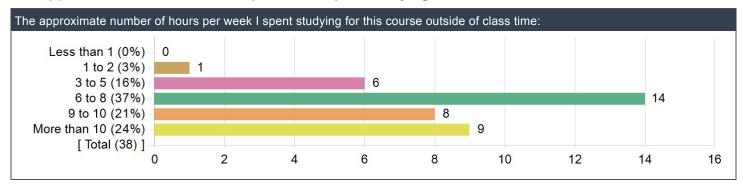
The approximate number of classes or labs that I did not attend



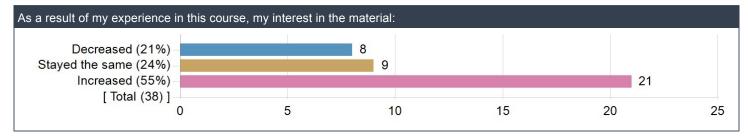
Relative to other courses I have taken at UVic, the workload in this course was



The approximate number of hours per week I spent studying for this course outside of class time:

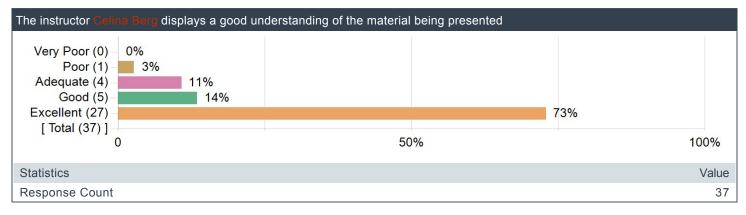


As a result of my experience in this course, my interest in the material:

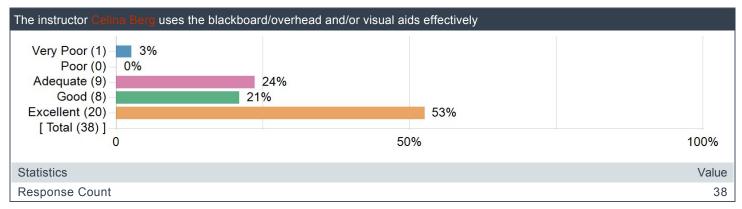


IV Additional Statments:

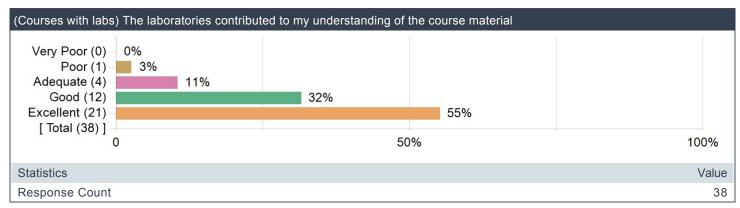
The instructor Celina Berg displays a good understanding of the material being presented



The instructor Celina Berg uses the blackboard/overhead and/or visual aids effectively



(Courses with labs) The laboratories contributed to my understanding of the course material



(Courses with tutorials) The tutorials contributed to my understanding of the course material

(Courses with tutorials) T	The tutorials contributed to m	y understanding of th	ne course material	
Very Poor (0) - 0% Poor (2)	25%	32% 36% 50 ⁴	%	100%
Statistics				Value
Response Count				28

(Courses with a major project, i.e. 20% or more of the final grade) The project contributed to my understanding of the course material

(Courses with a ma	ajor project, i.e. 20% or more	of the final grade) The project cont	tributed to my understanding of the course mater	ial
Very Poor (3) – Poor (4) – Adequate (8) – Good (6) – Excellent (5) – [Total (26)] –	12% 15% 2: 19%	31% 3%		
)	50%	100%	
Statistics			Valu	le
Response Count			2	26

IIV Student Comments:

What strengths did your instructor (Celina Berg) demonstrate that helped you learn in this course?

Comments

Celina, you bring a great attitude every day and make me feel psyched to code. Even though linked lists strike me with fear, you inspire me to persevere.

Provide office hours

The tracing diagrams were very helpful to learn how the code runs

I thought she was really good at explaining concepts and was really patient with students. I really liked how she had pre-class videos and then also taught the concepts in class

Good explanations of new material.

The pre–lecture videos, combined with the examples during lecture were very helpful to my understanding of the material. The labs were also helpful and relevant to the assignments, overall the course structure was excellent! Celina's lectures are very clear, and she holds many office hours each week for students to get help and you can tell that she genuinely cares about her students. Celina is very prompt at responding to discussion posts and emails, so it is always easy to contact her if you have a question. Overall great professor. She does a great job of teaching C.

She was prepared for every lecture and did a very good job of breaking things down into parts that were easier to understand for the students. She seemed patient with students and always tried her best to answer questions.

She gave us lots of opportunity to practice, in lectures, pre-class quizzes that were related to the labs and assignments. She was also understanding and accommodating when offering help, she would explain concepts in a way that allowed us to apply it to multiple scenarios.

Was able to respond to questions quickly.

Explanations were always very clear, always willing to help.

Celina always had answers to pretty much any question asked. She was never negative towards anyone and accepted all types of questions and was always helpful when students were not understanding.

I really liked the pre-lecture videos and quizzes. They really helped me cement my understanding. I also really liked working on the lecture questions together because it's easier to ask questions.

Celina is an amazing and enthusiastic teacher. She provides great examples that clears up any confusion students face. This is my second time taking csc 111 and I feel Celina has been devoted to our success and that has shown. I really enjoyed the class and now hope to take more coding classes in the future.

providing worksheets and lots of practice material

Very good at communicating with students respectfully and clearly. Great understanding of material obviously and great at teaching.

Providing worksheets and practice quizzes

She obviously really likes and understand the basics of c programming, which led to understandable examples, and a motivating attitude.

She knew the material quite well and in lectures she really helped us understand the questions. She was quite sympathetic and tried her best to explain the solution in class.

Went over the content in a way that made it easier to understand

I really found the interactive lectures and the extra practice worksheets really helpful! Also, going to office hours helped me understand the missing pieces in my code!

Good at explaining the material

I really enjoyed her enthusiasm towards "group work" during lectures to achieve a functional code. very effective and more fun than watching a prof type code he already knows

She was very patient, and took the time to help everyone to understand and ensured our knowledge if we wanted it.

The Professor (Celina Berg) displayed extensive knowledge in the course material. Furthermore, She answered questions in a way that were easy to understand to beginner programmers like me.

During zoom lectures we went through practice question which helped my understanding a lot. I found the lab sections very helpful as well.

She was great at explaining the material and did a great job explaining material I didn't understand. Was great to get a hold of outside of class times/office hours.

she used the lectures very effectively to help me understand the material. If at first I wasn't able to understand the concept, I would than have a very good understanding after all the work lecture, labs, and assignments were done.

Comments

Her explanation of the material presented and her answers to questions

I think the workload for this class was kept to a minimum as a result of her lecture style and combination of synchronous and asynchronous learning. She was also very active with feedback on the Brightspace which was extremely helpful.

The course was run in such away that made it fairly easy to learn and keep up with the material, even though especially towards the end of the course as the material became more and more challenging

Please provide specific suggestions as to how the instructor (Celina Berg) could have helped you learn more effectively.

Comments

Can't think of anything to put here, other than N/A. I can tell that you want your students to succeed, and make many opportunities available to come to that goal. Some of the material sure is a mind bender, but you do what you can to bend that material back to shape. (impeccable)

Give a better explanation of the material and provide some specific solutions to students' questions instead of asking them to go back to the learning material, and stop spending a huge amount of time talking to some particular students during the lecture and office hours.

N/A

Not really anything. I thought the class was good.

Some of the assignments, namely assignment 8 and 9 were quite difficult for my peers and I. A little more background and some more examples would be nice before having to tackle those assignments, as I for one did not feel prepared. It would also be helpful if had a means of contacting Celina during exams to ask questions.

Double-check assignment pdf and quizzes for mistakes.

Sometimes there were documents or quizzes (pre–lecture) that had incorrect answers and unclear information that made it difficult to study beforehand and grasp the material without consulting external sources. There were also several instances where the assignment documents were incorrect or had to be changed on short notice which tipped me off since I tended to start the assignments right away. Since they were not released until the week of, some double–checking on behalf of the TAs or professor would have been helpful. Also, for the times I did attend, the professor did not always use a proper terminal or coding program during their office hours which I found to be slightly unhelpful.

Use a better drawing method on the screen, the current method is super messy and borderline unreadable. Make the grading on the assignments not automated this is an unfair method of grading in my option.

Maybe providing more feedback on submitted labs and assignments

I feel Celina did an awesome job. Although before midterms it would have been nice to receive some type of review material that we had not seen before. We received some material although it was all examples we had already seen in class or were on assignments.

Sometimes in the pre-lecture quizzes, there is are questions that the videos don't explicitly cover and I find that it's a little difficult to answer them without hints. If possible, going a little further in-depth about the limitations and uses of the functions/topics would greatly help.

NA

making assignments shorter. Some of these assignments took well over the recommended budgeted time. These asignments may take up to 20+ hours to complete once testing is finished.

Not sure.

Not assigning tasks which take more than 10 hours to complete

solutions for certain in class or extra work, would be helpful, but I also completely understand her stance on the topic.

I think posting fully completed notes that go over the main topics is very important. We did not have any notes which we could refer to for understanding. The only way to understand the problem was to either ask for help or read the code she posted.

Slides of classes give all slides instead of a few

I believe she was great!

everything is good except the midterms

In the disscussion forums perhaps being more direct and answering the questions in slightly greater detail

Possibly more diverse office hour times? I only had one time available per week, and for some of the content I needed a lot more help.

Although I really enjoyed the Professors teaching style. Sometimes during pre–lecture material, the audio was difficult to hear.

Going through more actual coding questions during lectures would have helped for certain topics. It was tough sometimes when

Comments

the last few questions of a in-class worksheet were missed when we ran out of time. Actual practice exams would help to make midterms clearer. I found the one-way navigation of the exam extremely difficult and the time limits quite harsh.

I think she did everything she could regarding explaining and providing examples (at least for me).

I don't think any adjustments on Celinas part were necessary

Not confident that this is a good suggestion for a course like this, especially since it's c programming but some concepts require longer time to understand for me at least.

I feel that sometimes the terms we are given are quite broad, and the lecture videos are perhaps too concise, making them difficult to follow.

Please provide specific suggestions as to how this course could be improved.

Comments

Give some marks for procedures! Imagine spending 25 hours on one assignment and lose 40% of the mark for one mistake I made or spend 17 hours on the first question and had to hand in zero because the rest of the questions are all depending on it!

have harder labs that could prepare us for the weekly assignment

Not really anything. I thought the class was good.

Remove the requirement of having to obtain a passing grade on the weighted average of midterm scores in order to pass the course. The midterm averages are quite low, with the second midterm having 59% average. I think it would be more fair for students if only the assignments had to be above a 50% overall, as the midterms are tough.

The only disparity that really stood out to me was the failure to double-check assignment documents before they were released and the several incorrect pre-lecture quiz incidents.

Make the assignments more in line with the lecture and lab materials, epically the last half of the assignments. This is because I spent 15+ hours on a few different assignments and could not even figure out all of the questions, then received a poor grade because the grading is done by a computer, even though I may have spent 5 hours getting 90% of the code right in the question I still get a 0 because its not 100% correct. Please make it so you don't have name the file exactly right it didn't happen to me but other people I know got a 0 when they understood the material and put in tons of effort. This is seriously a really poor way to punish the students for understanding the material.

I would really appreciate more feedback on my assignments

Would it be possible to have a system where you can resubmit assignments to gain back some marks that you lost on the first submission? As in, for the second submission, all the marks you get are only worth half or so. I find that I make silly mistakes and since the grading is done by computers losing marks is easier. A system like this would encourage revision and review of material while allowing the student to make up some marks.

providing more time on exams would assist students success, but I understand that is so challenging in the times we are in.

Make assignments shorter, and midterms more related to assignments

Teach why this stuff is useful? What actual engineering applications are? Overall, I thought it was taught very well.

Using a different method to assess understanding of material. For example, instead of midterms and a final, give out a final assignment instead because everybody works at different paces when writing code

I felt this was a much better format than that of first terms (from what i heard from those who were retaking) for those who have no previous experience with coding or c.

I feel the midterms should be more balanced by giving the appropriate amount of time and making the questions less wordy so we don't have to spend too much time reading the question. Also, as i stated before, we should be given notes to read over to consolidate our knowledge and quickly refresh our memories before a midterm as it may not always be possible to go through a bunch of examples.

Slides that overviewed the whole class instead of a few of them

Midterms are a bit stressful because we are time-limited so it would help to even the distribution of marks.

Make the midterms less important to passing the class. I learned way more while doing the assignments and they were enjoyable but with the midterms being focused a lot more for the overall grade it made csc 111 way less enjoyable.

I for sure understand the no late exceptions as well as the name must be a specific name, however, some very small slip up can have a huge effect on your grade and sometimes I just wish there was another solution!

Apart from the occasional audio difficulties during pre–lecture material, there were no other improvements I could suggest. The Professor took time to prepare the pre–lecture material (videos and slides) and they certainly helped contribute to my understanding of the material. It was much easier to "grasp" the material due to the great pre–lecture material. I just want to say, Thank You. Thank You, for making this class so enjoyable, and Thank You for taking time out of your weekends to answer questions in the class forums. Have a Great Summer Professor:)



UVic CES Instructor Report 202101 - Celina Berg -FUNDMNTL PRGRMNG:ENGR APS - CSC 111 - A02 (CRN 20687)

Project Title: UVic Course Experience Survey - Spring 2021

Courses Audience: **17** Responses Received: **5** Response Ratio: **29%**

Subject Details	
CRN	20687
VNUMBER	V00129143



Creation Date: Wednesday, August 4, 2021

I Instructor's Teaching - Students' Ratings on the Following Statements:

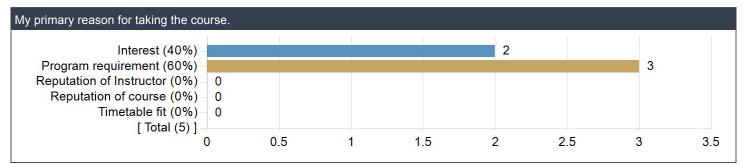
1. The instructor was prepared for course sessions	2. The instructor's explanations of concepts were clear
Very Poor (0) 0% Poor (0) 0% Adequate (0) 0% Good (0) 0% Excellent (5) [Total (5)]	Very Poor (0) 0% Poor (0) 0% Adequate (0) 0% Good (4) Excellent (1) 20% [Total (5)]
0 50% 100%	0 50% 100%
Statistics Value	Statistics Value
Response Count 5	Response Count 5
3. The instructor motivated you to learn in this course Very Poor (0) 0%	4. The instructor was available to answer your questions or provide extra assistance as required Very Poor (0) 0%
Poor (0) 0% Adequate (1) 20% Good (2) 40% Excellent (2) 40% [Total (5)] 40%	Poor (0) 0% Adequate (0) 0% Good (3) 60% Excellent (2) 40% [Total (5)] 60%
0 50% 100%	0 50% 100%
Statistics Value	Statistics Value
Response Count 5	Response Count 5
5. The instructor ensured that your assignments and tests were returned within a reasonable time	The instructor was helpful in providing feedback to you to improve your learning in this course
Very Poor (0) 0% Poor (0) 0% Adequate (0) 0% Good (1) 20% Excellent (4) 80% [Total (5)] 0 50%	Very Poor (0) 0% Poor (0) 0% Adequate (1) 20% Good (2) 40% Excellent (2) 40% [Total (5)] 0 50% 100%
Statistics Value	Statistics Value
Response Count 5	
	Response Count 5
7. The instructor demonstrated respect for students and their ideas	Response Count 5 8. Overall, the instructor was effective in this course
ideas Very Poor (0) 0% Poor (0) 0% Adequate (0) 0% Good (3) 60% Excellent (2) 40%	8. Overall, the instructor was effective in this course Very Poor (0) 0% Poor (0) 0% Adequate (0) 0% Good (2) 40% Excellent (3) 60% [Total (5)]

Il Course Design - Students' Ratings on the Following Statements:

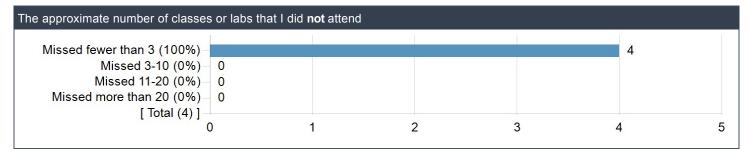
1. The course structure, goals	and requirements were	e clear	2. The materials provided for l handouts, posted material, lal		
Very Poor (0) 0% Poor (0) 0% Adequate (1) 209 Good (2) Excellent (2) [Total (5)] 0	% 40% 40% 50%	100%	Very Poor (0) 0% Poor (0) 0% Adequate (1) 20 Good (2) Excellent (2) [Total (5)] 0	% 40% 40% 50%	100%
Statistics		Value	Statistics		Value
Response Count		5	Response Count		5
3. The assigned work helped y content	vour understanding of th	ne course	4. The course provided opport with the course material, for e group work, student presentat learning	example through class	discussions,
Very Poor (0) - 0% Poor (0) - 0% Adequate (1) - 209 Good (2) - 209 Excellent (2) - 209 [Total (5)] - 209 0	% 40% 50%	100%	Very Poor (0) 0% Poor (0) 0% Adequate (3) Good (1) 200 Excellent (1) 200 [Total (5)] 0		100%
Statistics		Value	Statistics		Value
Response Count		5	Response Count		5
5. The methods of assessmen the course were fair	t used to evaluate your	learning in	6. The course provided releva other courses, your future care		on (e.g. to
Very Poor (1) 209 Poor (1) 209 Adequate (0) 0% Good (2) Excellent (1) 209 [Total (5)] 0	% 40%	100%	Very Poor (0) 0% Poor (0) 0% Adequate (1) 20° Good (0) 0% Excellent (4) [Total (5)] 0	% 50%	80%
Statistics		Value	Statistics		Value
Response Count		5	Response Count		5
7. Overall, the course offered a	n effective learning exp	erience			
Very Poor (0) 0% Poor (0) 0% Adequate (1) 209 Good (1) 209 Excellent (3) [Total (5)] 0		100%			
Statistics		Value			
Response Count		5			

III Statements About The Students:

My primary reason for taking the course.



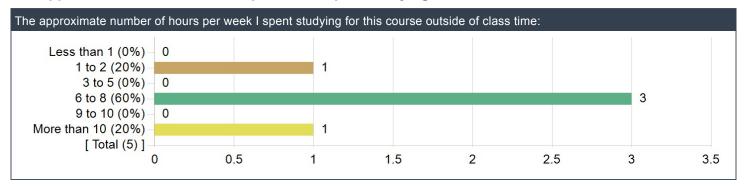
The approximate number of classes or labs that I did not attend



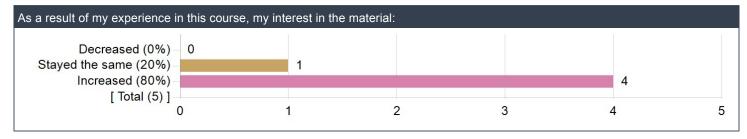
Relative to other courses I have taken at UVic, the workload in this course was



The approximate number of hours per week I spent studying for this course outside of class time:

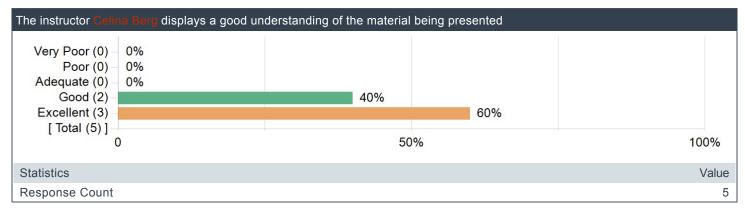


As a result of my experience in this course, my interest in the material:

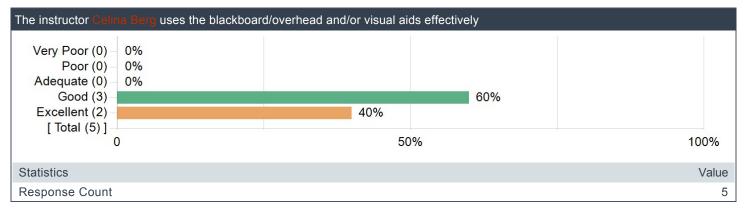


IV Additional Statments:

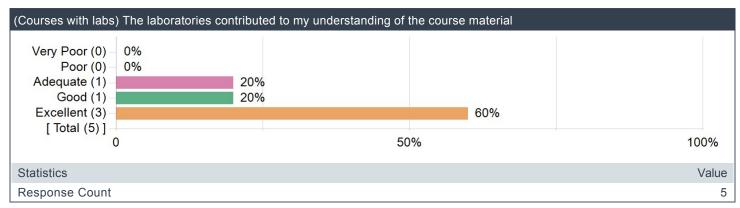
The instructor Celina Berg displays a good understanding of the material being presented



The instructor Celina Berg uses the blackboard/overhead and/or visual aids effectively



(Courses with labs) The laboratories contributed to my understanding of the course material



(Courses with tutorials) The tutorials contributed to my understanding of the course material

(Courses with tutor	ials) The tutorials contribut	ed to my understanding of t	the course material	
Very Poor (0) Poor (0) Adequate (1) Good (1) Excellent (2) [Total (4)]	0% 0%	25% 25%	50%	
)	50)%	100%
Statistics				Value
Response Count				4

(Courses with a major project, i.e. 20% or more of the final grade) The project contributed to my understanding of the course material

(Courses with a major project, i.e. 20% or more of the final grade) The project contributed to my understanding of the course material				
Very Poor (0) Poor (0) Adequate (1) Good (3) Excellent (0) [Total (4)]	0%	25%	75%	
Statistics			Value	
Response Count			4	

IIV Student Comments:

What strengths did your instructor (Celina Berg) demonstrate that helped you learn in this course?

Comments great understanding of the material None that I know of. However, I think she demonstrated how the code works in the office hours. question-solving in lecture helps I thought Celina was a great teacher and explained concepts in easy ways to understand

Please provide specific suggestions as to how the instructor (Celina Berg) could have helped you learn more effectively.

Comments

There should definitely be wiggle room when submitting a file that has the wrong name. After spending over 5 hours on assignments just to get a 0 because of a stupid attention error seems unfair in my opinion.

Update: I wrote this before hearing you explain you dropped the two worst dates, I understand your point of view but I think there could be other ways to solve the problem.

If Celina would've given us more examples or more worksheets for the midterm preparation, that'd be awesome! In that way, I can learn more effectively.

assignments take too long

Please provide specific suggestions as to how this course could be improved.

Comments

I think the course should provide 1 quiz per week. 2 quizzes per week with due deadlines is a lot of stress.

more office hours

Comments

- Provide practice exams

- More coding worksheet questions during lectures

- More time allowed on exams and the opportunity to navigate freely through the entire exam

Obviously an in person component would be better. I think for online the quizzes could get a little long, maybe as another option was make the due date at the time of class as I liked to watch the videos before class to keep everything fresh in my mind

I felt the testing didn't allow us to show our full understanding of the material we had learnt. I think eliminating 1 way tests would allow students to demonstrate their understanding much more. Or I think a 1–2hr long midterm/test with just tracing, and than a short assignment would be a better demonstration of our learning

Since it's online, there were probably compromises made to ensure academic integrity and course pacing. Which were both stress-inducing for me, but most of it were on my part. So no I do not have specific suggestions to this course improvement.

I think that the lecture videos outside of class should be longer and more in-depth, and Celina should explain the material in a more creative way. I find that she often wants to explain things in a generic way that explains the material very broadly but lacks a personal understanding to help bridge the student's knowledge. I understand that this style is meant to adapt to different learning styles, however, this often means that the student will make more mistakes and have a lack of understanding of the concepts as it was learned from writing code and experimenting, rather than being explained in a thorough and theoretical way.