BIOS 10140 7 - Inquiry-based Exploration of Biology - Instructor(s): Oscar Pineda-Catalan

Project Title: **College Course Feedback - Winter 2024**

Number Enrolled: **24**
Number of Responses: **12**

Report Comments

Opinions expressed in these evaluations are those of students enrolled in the specific course and do not represent the University.

Creation Date: **Thursday, March 28, 2024**

The learning objectives of the course were clear and I understood how to achieve them.

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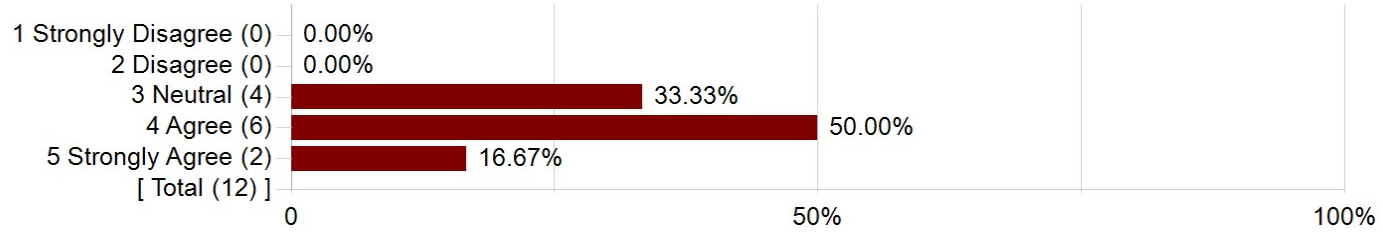

Statistics	Value
Response Count	12
Mean	3.83
Median	4.00
Standard Deviation	0.72

The course helped me to make important progress toward the stated objectives.

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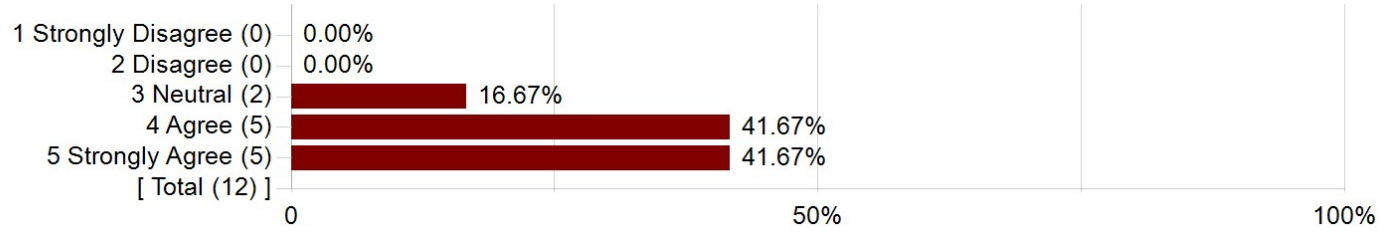

Statistics	Value
Response Count	12
Mean	4.25
Median	4.00
Standard Deviation	0.75

The graded elements of the course were directed toward assessing my progress toward the stated course objectives.

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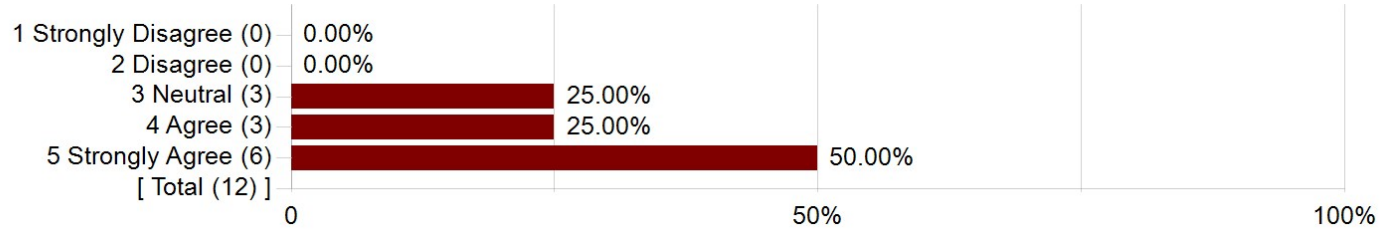

Statistics	Value
Response Count	12
Mean	4.25
Median	4.50
Standard Deviation	0.87

This course had more than one instructor and they connected well with each other.

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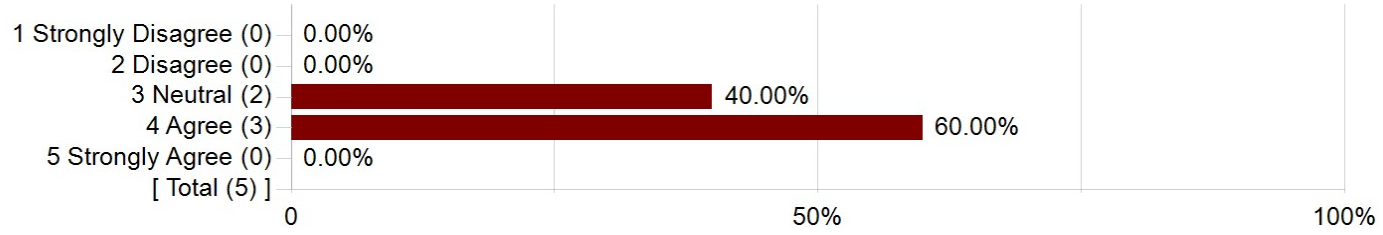
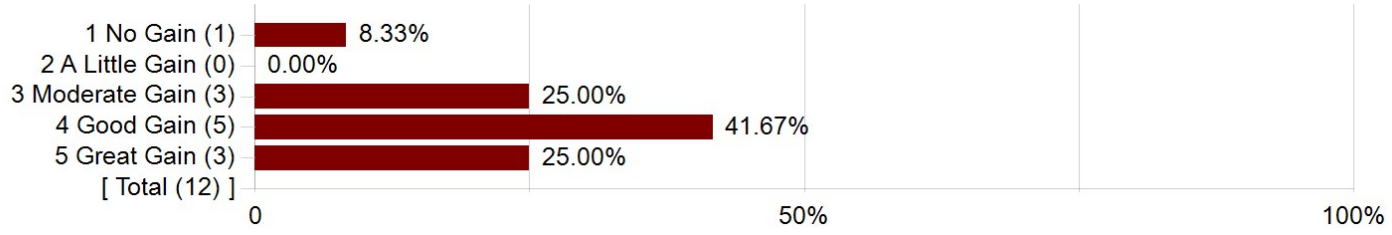


Statistics	Value
Response Count	5
Mean	3.60
Median	4.00
Standard Deviation	0.55

How much did the following elements of the course contribute to your learning gains?

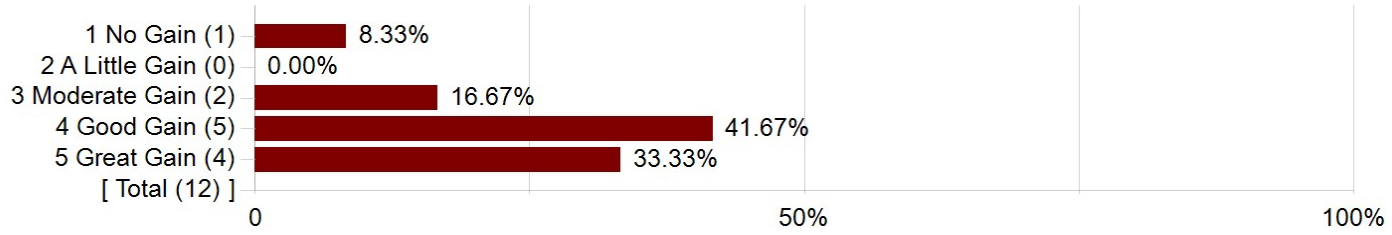
1. Classroom Lectures



Options	Score	Count	Percentage
No Gain	1	1	8.33%
A Little Gain	2	0	0.00%
Moderate Gain	3	3	25.00%
Good Gain	4	5	41.67%
Great Gain	5	3	25.00%

Statistics	Value
Response Count	12
Mean	3.75
Median	4.00
Standard Deviation	1.14

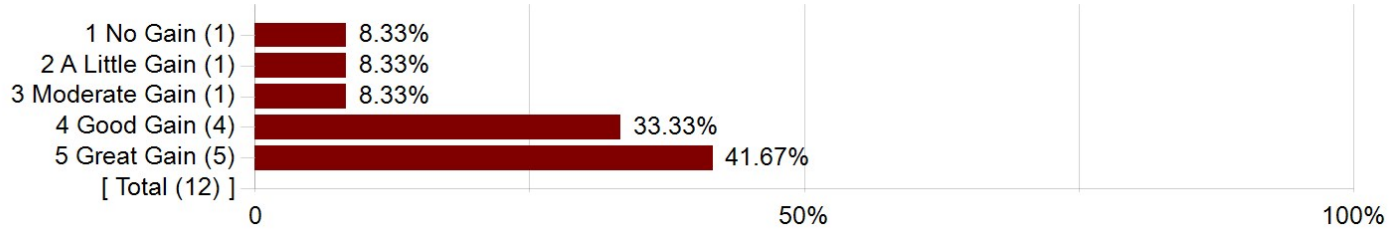
2. Classroom Discussions



Options	Score	Count	Percentage
No Gain	1	1	8.33%
A Little Gain	2	0	0.00%
Moderate Gain	3	2	16.67%
Good Gain	4	5	41.67%
Great Gain	5	4	33.33%

Statistics	Value
Response Count	12
Mean	3.92
Median	4.00
Standard Deviation	1.16

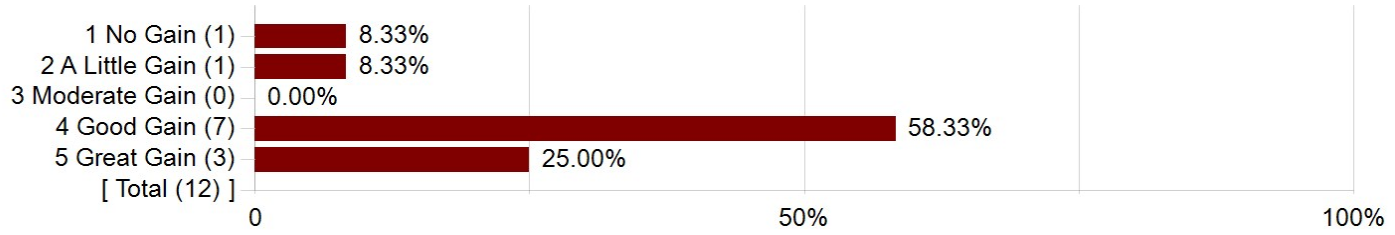
3. Assigned Readings



Options	Score	Count	Percentage
No Gain	1	1	8.33%
A Little Gain	2	1	8.33%
Moderate Gain	3	1	8.33%
Good Gain	4	4	33.33%
Great Gain	5	5	41.67%

Statistics	Value
Response Count	12
Mean	3.92
Median	4.00
Standard Deviation	1.31

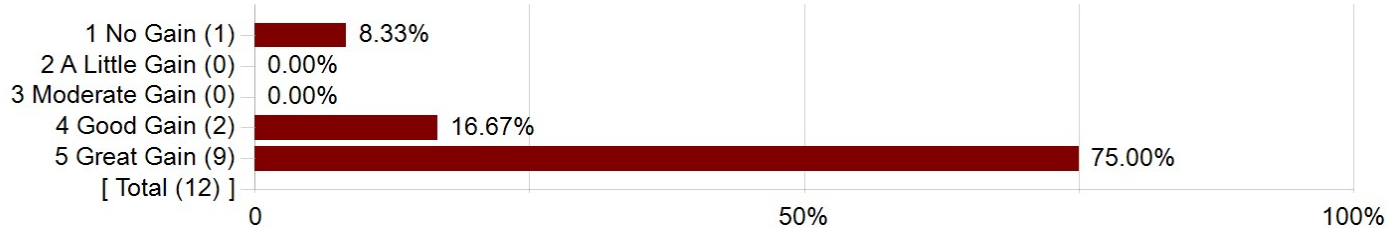
4. Homework Exercises



Options	Score	Count	Percentage
No Gain	1	1	8.33%
A Little Gain	2	1	8.33%
Moderate Gain	3	0	0.00%
Good Gain	4	7	58.33%
Great Gain	5	3	25.00%

Statistics	Value
Response Count	12
Mean	3.83
Median	4.00
Standard Deviation	1.19

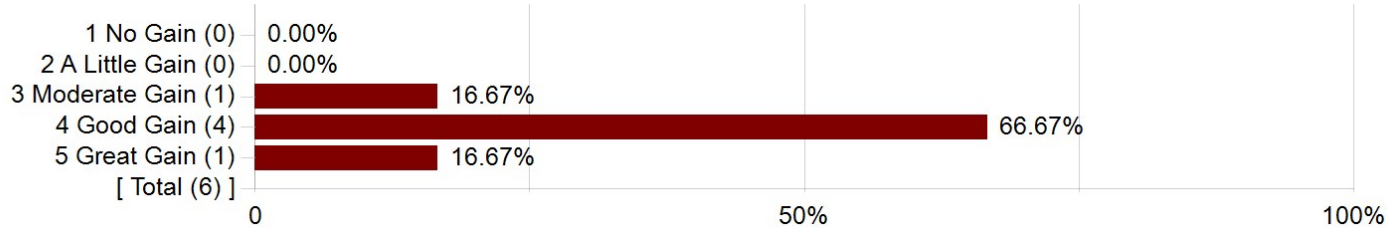
5. Lab Experiences



Options	Score	Count	Percentage
No Gain	1	1	8.33%
A Little Gain	2	0	0.00%
Moderate Gain	3	0	0.00%
Good Gain	4	2	16.67%
Great Gain	5	9	75.00%

Statistics	Value
Response Count	12
Mean	4.50
Median	5.00
Standard Deviation	1.17

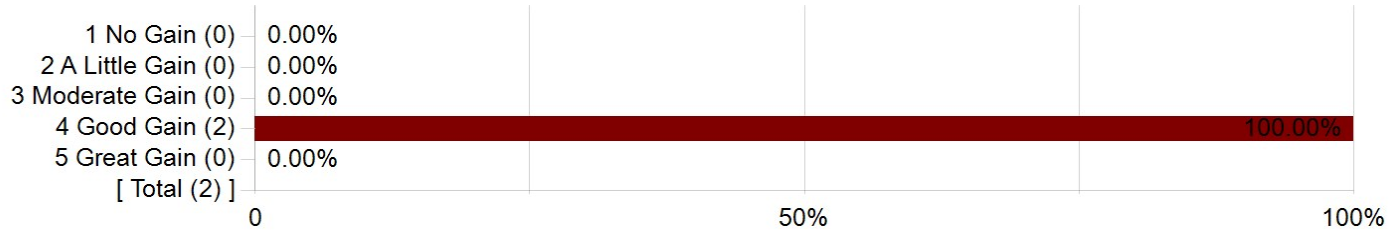
6. Discussion Sessions



Options	Score	Count	Percentage
No Gain	1	0	0.00%
A Little Gain	2	0	0.00%
Moderate Gain	3	1	16.67%
Good Gain	4	4	66.67%
Great Gain	5	1	16.67%

Statistics	Value
Response Count	6
Mean	4.00
Median	4.00
Standard Deviation	0.63

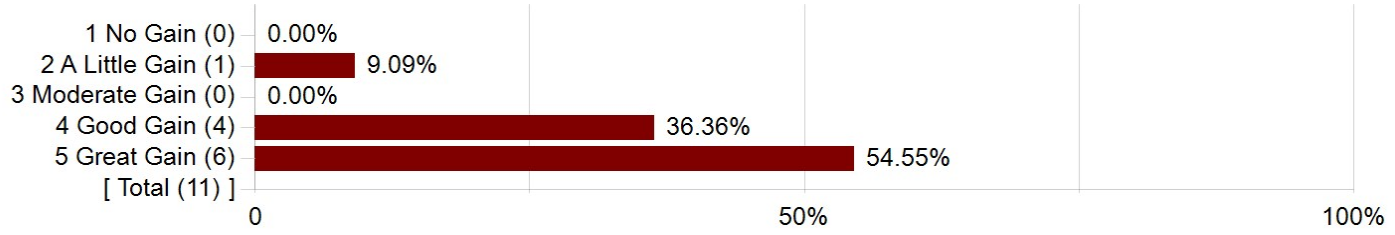
7. Review Sessions



Options	Score	Count	Percentage
No Gain	1	0	0.00%
A Little Gain	2	0	0.00%
Moderate Gain	3	0	0.00%
Good Gain	4	2	100.00%
Great Gain	5	0	0.00%

Statistics	Value
Response Count	2
Mean	4.00
Median	4.00
Standard Deviation	0.00

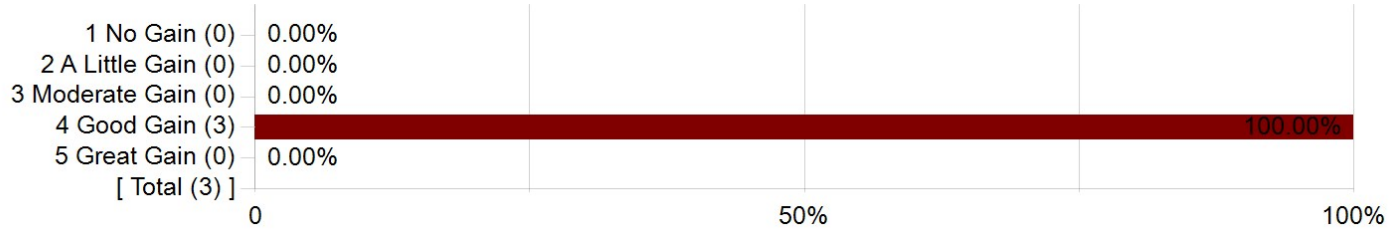
8. Interactions with Other Students



Options	Score	Count	Percentage
No Gain	1	0	0.00%
A Little Gain	2	1	9.09%
Moderate Gain	3	0	0.00%
Good Gain	4	4	36.36%
Great Gain	5	6	54.55%

Statistics	Value
Response Count	11
Mean	4.36
Median	5.00
Standard Deviation	0.92

9. Faculty Office Hours

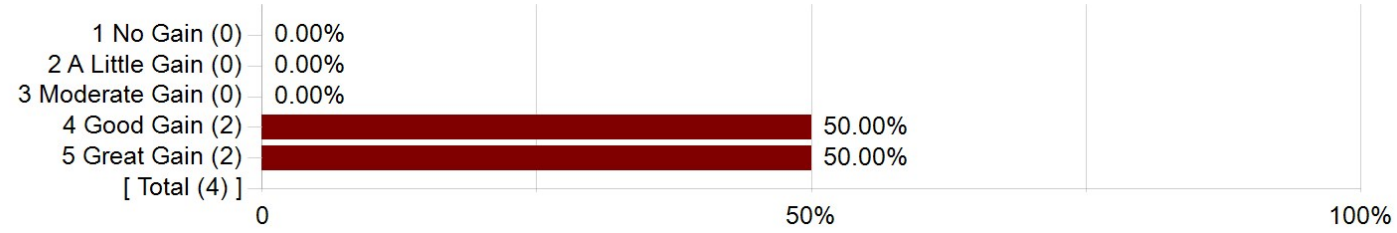


Options	Score	Count	Percentage
No Gain	1	0	0.00%
A Little Gain	2	0	0.00%
Moderate Gain	3	0	0.00%
Good Gain	4	3	100.00%
Great Gain	5	0	0.00%

Statistics	Value
Response Count	3
Mean	4.00
Median	4.00
Standard Deviation	0.00

How much did the following elements of the course contribute to your learning gains? (continued)

10. Teaching Assistant Office Hours



Options	Score	Count	Percentage
No Gain	1	0	0.00%
A Little Gain	2	0	0.00%
Moderate Gain	3	0	0.00%
Good Gain	4	2	50.00%
Great Gain	5	2	50.00%

Statistics	Value
Response Count	4
Mean	4.50
Median	4.50
Standard Deviation	0.58

What was the most important thing (to you) that you learned in this course? What aspect of the material is still unclear for you, that you wish you could have learned better?

Comments
DNA Sequence
It was very interesting to learn about the great diversity of the foods we eat! I can see this diversity wherever I go and eat, and this course gave me a new perspective to look at food.
I learned a lot about the scientific process of DNA extraction and biodiversity.
How to extract DNA from plant specimens. This was very enjoyable to do. I wish I had a better grasp on fruits and their tissues, rather than mostly plants.
Learning about how taking DNA samples and how to assess biodiversity using that was the most interesting part of the course for me
I learned a lot more about the food groups around the hyde park area. It made me consider the role humans have in cultivation, for example, and how that 1. impacts the foods we eat on a daily basis and 2. impacts the environment around us.
I learned about the interaction of different elements of plants
I have a better understanding of how the scientific method works and what goes on in a lab

How many hours per week outside of attending required sessions did you spend on this course?

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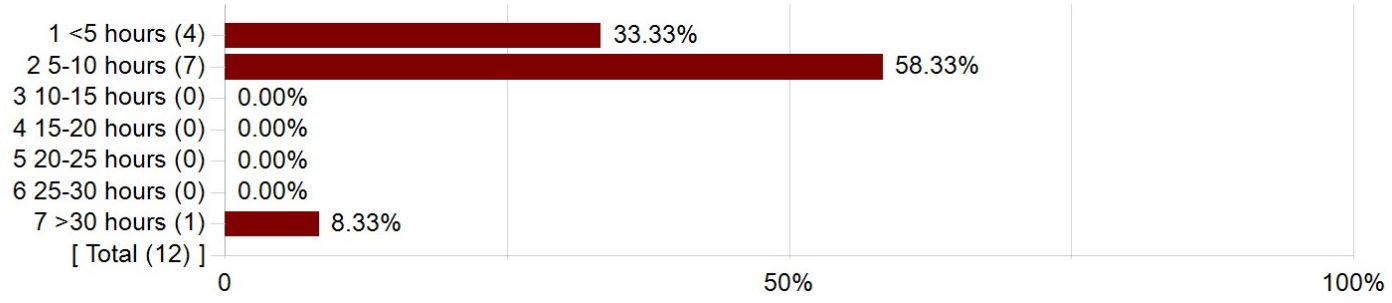
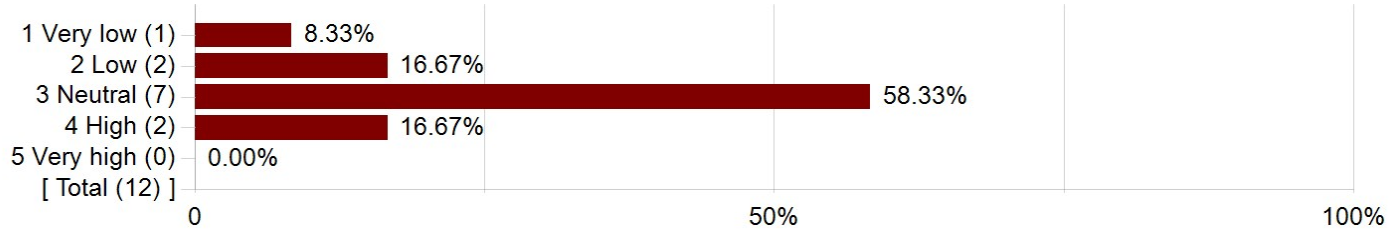


Statistics	Value
Response Count	12
Mean	2.08
Median	2.00
Standard Deviation	1.62

Prior to starting this class, your interest level was?

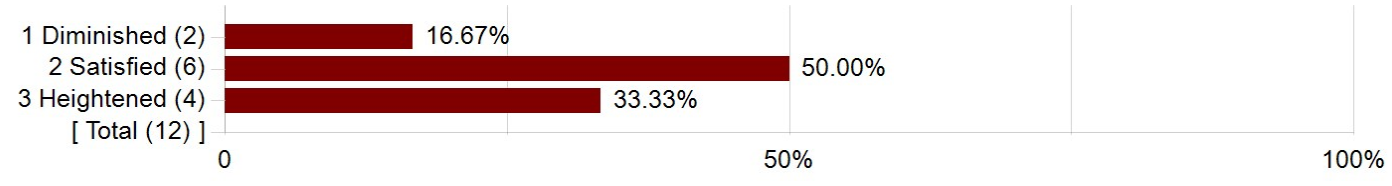
Prior to starting this class, your interest level was?



Statistics	Value
Response Count	12
Mean	2.83
Median	3.00
Standard Deviation	0.83

Now that this class is over, your interest is?

Now that this class is over, your interest is?



Statistics	Value
Response Count	12
Mean	2.17
Median	2.00
Standard Deviation	0.72

Overall, this was an excellent course.

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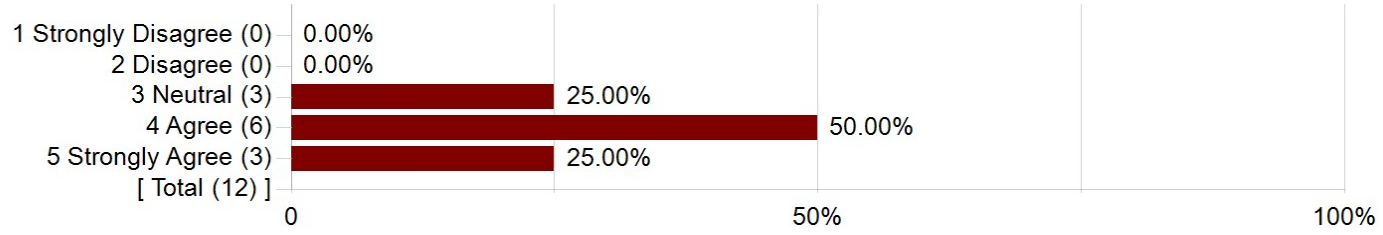


Statistics	Value
Response Count	12
Mean	4.00
Median	4.00
Standard Deviation	0.74

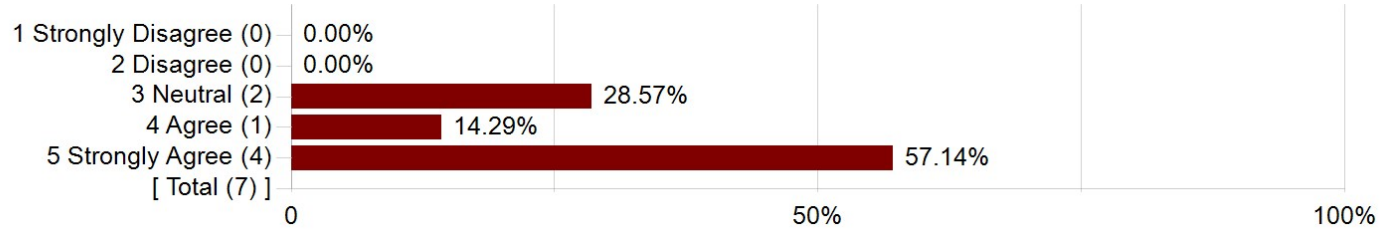
Please share any advice you have for students who are considering taking the course.

Comments
Be very active during the labs.
You have to go to the grocery store every week and buy produce, so if you want to save your money, this might not be the course for you. While the work is not difficult, it will definitely take time and focus. Mostly busy–work.
The workload is a little heavy, but it is easy to do. Just always try to get the assignments done the weekend before not the night before. Luckily no quizzes or final exams in this course, but if you are good with memory and don't want assignments I think the other bio course would be a better option.
Enjoy the labs!
Stay on top of your assignments and participate in class
Make sure you choose a topic that's interesting to you.
I think this class has a reputation for being an 'easy a' course but there is a significant amount of work and attention to detail that must be put in due to the strict nature of the grading. The instructions were also very unclear at times so there was an overarching air of stress that made the class less enjoyable, but the actual material and project is fairly interesting. Great class to take with a friend—lots of group work!
Classes are 3 hours long and can be draining, and he rarely let us out early. No tests or quizzes, but the assignments are very tedious, and you have to put the time in if you want an A (the cutoff for an A is a 96....) This class is definitely not conceptually challenging, but there is a significant time commitment. There is a lab basically every class so attendance is mandatory, but the labs were decently fun because they were so hands on

Laboratory Meetings

For each of the following statements, please indicate your level of agreement.

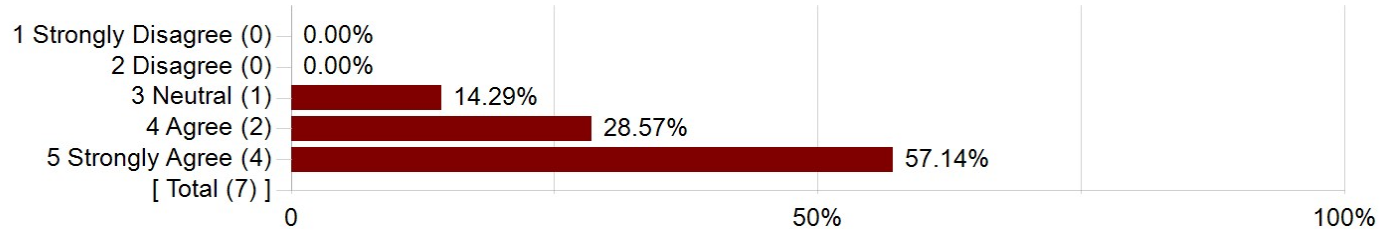
1. The laboratory protocols and instructions were clear and well organized.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neutral	3	2	28.57%
Agree	4	1	14.29%
Strongly Agree	5	4	57.14%

Statistics	Value
Response Count	7
Mean	4.29
Median	5.00
Standard Deviation	0.95

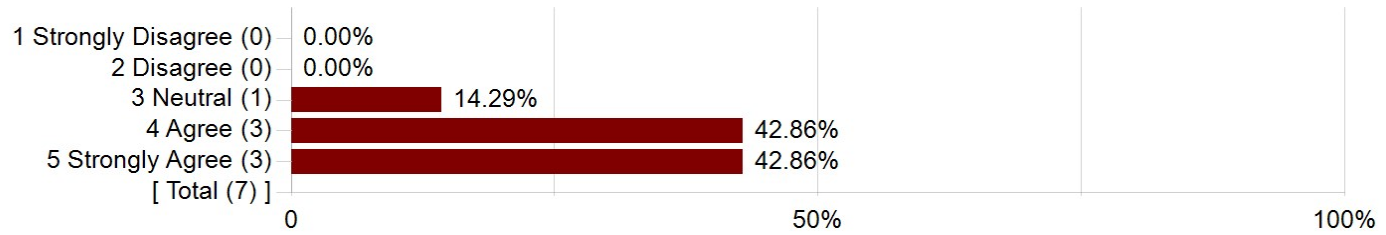
2. Materials and equipment needed for performing the exercises were readily available.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neutral	3	1	14.29%
Agree	4	2	28.57%
Strongly Agree	5	4	57.14%

Statistics	Value
Response Count	7
Mean	4.43
Median	5.00
Standard Deviation	0.79

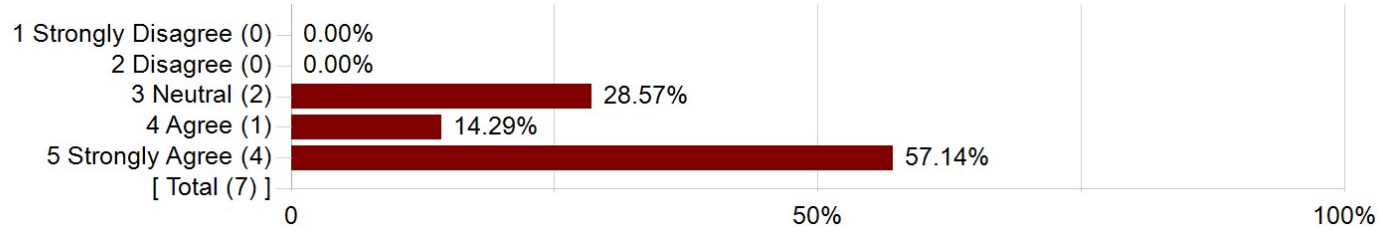
3. The lab exercises had clear educational goals.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neutral	3	1	14.29%
Agree	4	3	42.86%
Strongly Agree	5	3	42.86%

Statistics	Value
Response Count	7
Mean	4.29
Median	4.00
Standard Deviation	0.76

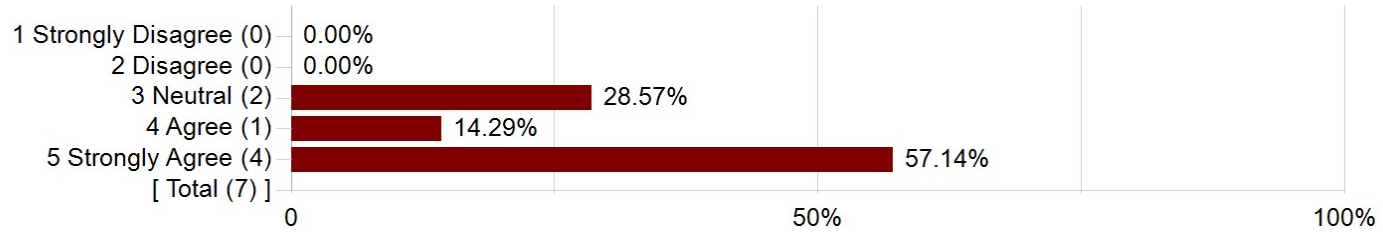
4. The goals of the lab exercises were well integrated with the overall objectives of the course.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neutral	3	2	28.57%
Agree	4	1	14.29%
Strongly Agree	5	4	57.14%

Statistics	Value
Response Count	7
Mean	4.29
Median	5.00
Standard Deviation	0.95

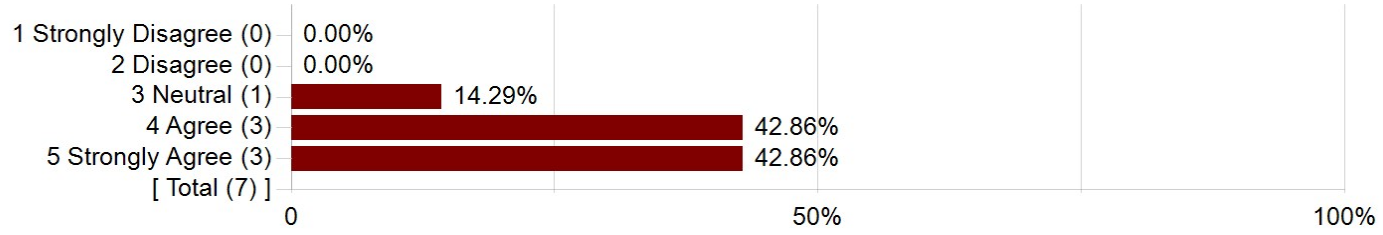
5. The lab exercises explored course topics in ways that could not have been accomplished in lecture or discussion.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neutral	3	2	28.57%
Agree	4	1	14.29%
Strongly Agree	5	4	57.14%

Statistics	Value
Response Count	7
Mean	4.29
Median	5.00
Standard Deviation	0.95

6. Overall, this was an excellent laboratory experience.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neutral	3	1	14.29%
Agree	4	3	42.86%
Strongly Agree	5	3	42.86%

Statistics	Value
Response Count	7
Mean	4.29
Median	4.00
Standard Deviation	0.76

The time allocated for completing the lab was:

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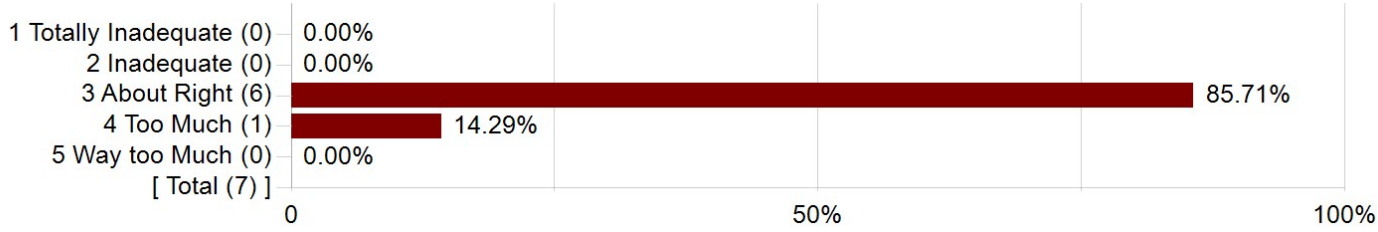

Statistics	Value
Response Count	7
Mean	3.14
Median	3.00
Standard Deviation	0.38

What observational, analytical, or technical skills did you gain during the laboratory exercises that enhanced your understanding of how biologists answer questions in this particular field?

Comments
Using the microscopes was very fun as I have never used one before
I learned how to use equipment like micropipettes, centrifuges, and gel columns, and knowing how to use these things helped me understand exactly how biological analyses are conducted.
Microscope usage, pipette usage, microanalysis
Morphological analysis of specimens, using a microscope, collecting DNA samples, doing PCR & gel electrophoresis, doing doing DNA analysis——helped me understand how biologists indentify specimens

Please share any recommendations to improve the laboratory learning experience.

Comments
None