BIOS 10140 1 - Inquiry-based Exploration of Biology - Instructor(s): Megan McNulty

Project Title: **College Course Feedback - Autumn 2023**

Number Enrolled: **27**
Number of Responses: **11**

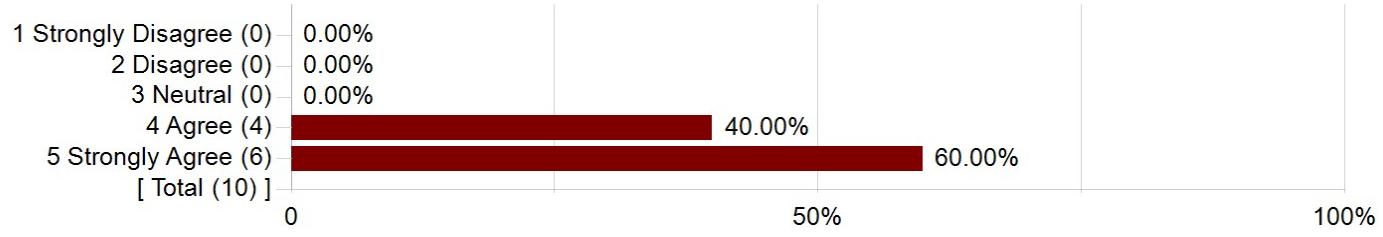
Report Comments

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

Creation Date: **Friday, February 2, 2024**

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

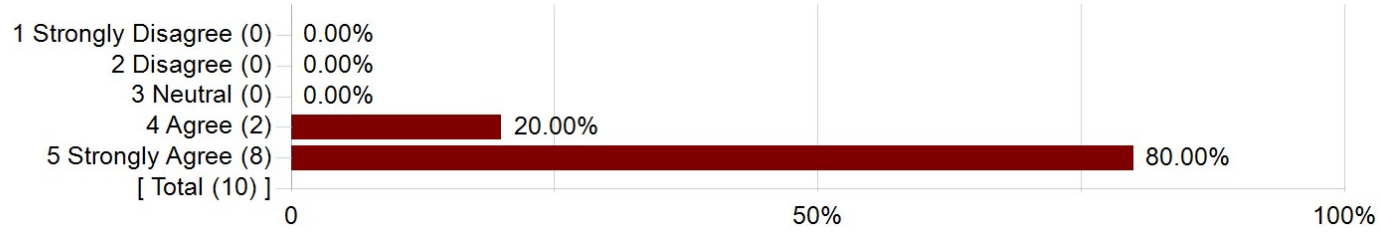
The learning objectives of the course were clear and I understood how to achieve them.



Statistics	Value
Response Count	10
Mean	4.60
Median	5.00
Standard Deviation	0.52

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

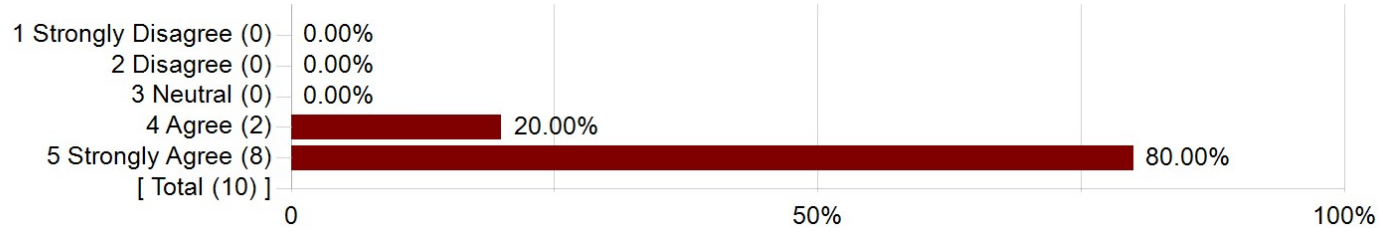
The course helped me to make important progress toward the stated objectives.



Statistics	Value
Response Count	10
Mean	4.80
Median	5.00
Standard Deviation	0.42

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

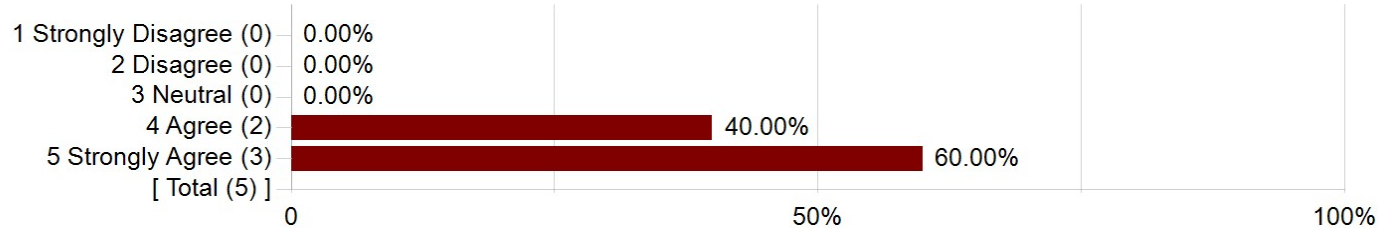
The graded elements of the course were directed toward assessing my progress toward the stated course objectives.



Statistics	Value
Response Count	10
Mean	4.80
Median	5.00
Standard Deviation	0.42

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

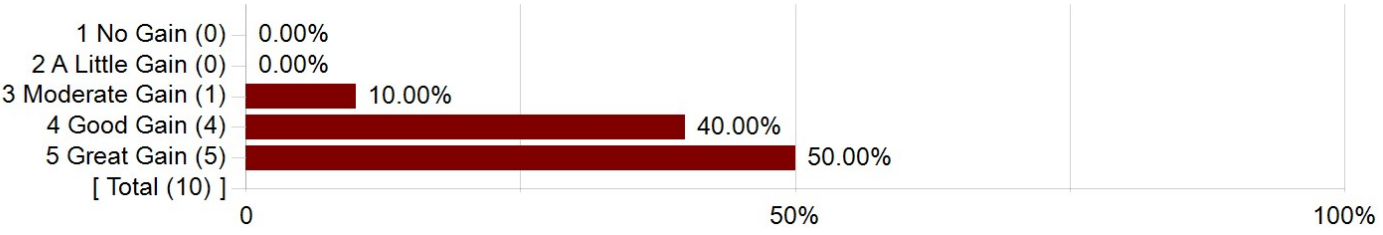
This course had more than one instructor and they connected well with each other.



Statistics	Value
Response Count	5
Mean	4.60
Median	5.00
Standard Deviation	0.55

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

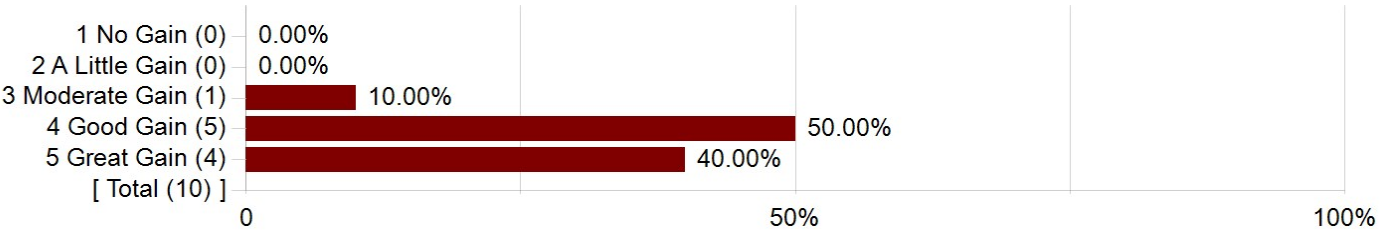
1. Classroom Lectures



Options	Score	Count	Percentage
No Gain	1	0	0.00%
A Little Gain	2	0	0.00%
Moderate Gain	3	1	10.00%
Good Gain	4	4	40.00%
Great Gain	5	5	50.00%

Statistics	Value
Response Count	10
Mean	4.40
Median	4.50
Standard Deviation	0.70

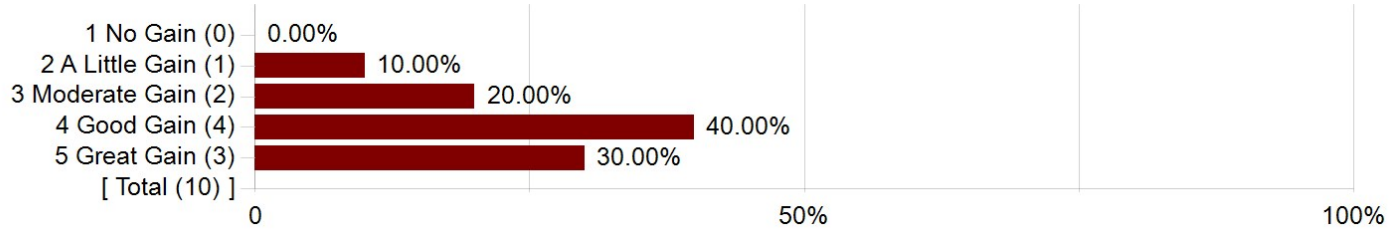
2. Classroom Discussions



Options	Score	Count	Percentage
No Gain	1	0	0.00%
A Little Gain	2	0	0.00%
Moderate Gain	3	1	10.00%
Good Gain	4	5	50.00%
Great Gain	5	4	40.00%

Statistics	Value
Response Count	10
Mean	4.30
Median	4.00
Standard Deviation	0.67

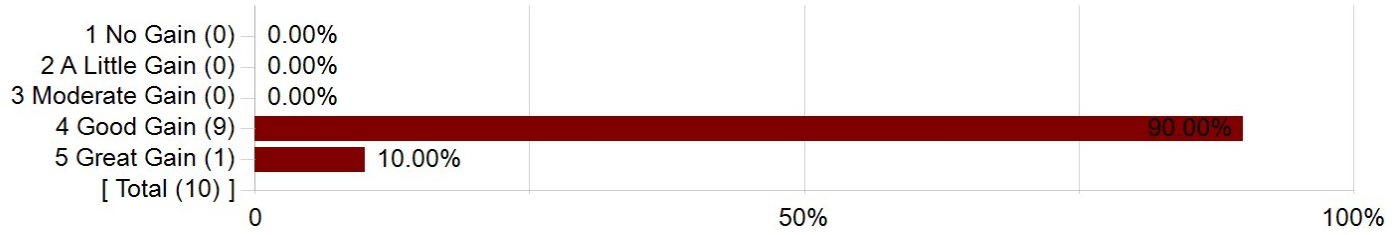
3. Assigned Readings



Options	Score	Count	Percentage
No Gain	1	0	0.00%
A Little Gain	2	1	10.00%
Moderate Gain	3	2	20.00%
Good Gain	4	4	40.00%
Great Gain	5	3	30.00%

Statistics	Value
Response Count	10
Mean	3.90
Median	4.00
Standard Deviation	0.99

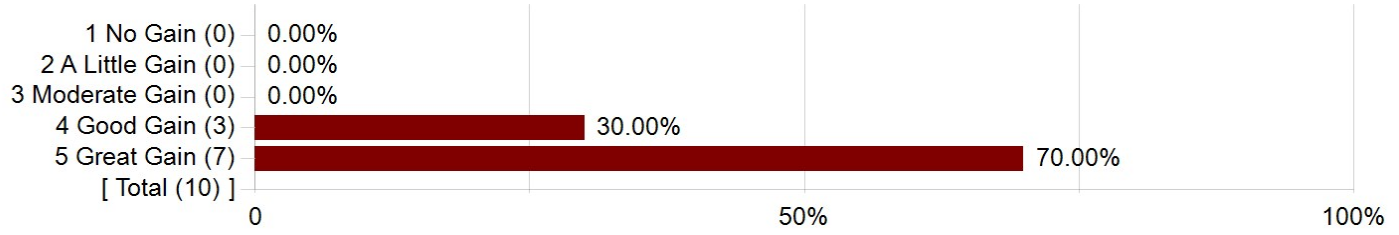
4. Homework Exercises



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	9	90.00%
Great Gain	5	1	10.00%

Statistics	Value
Response Count	10
Mean	4.10
Median	4.00
Standard Deviation	0.32

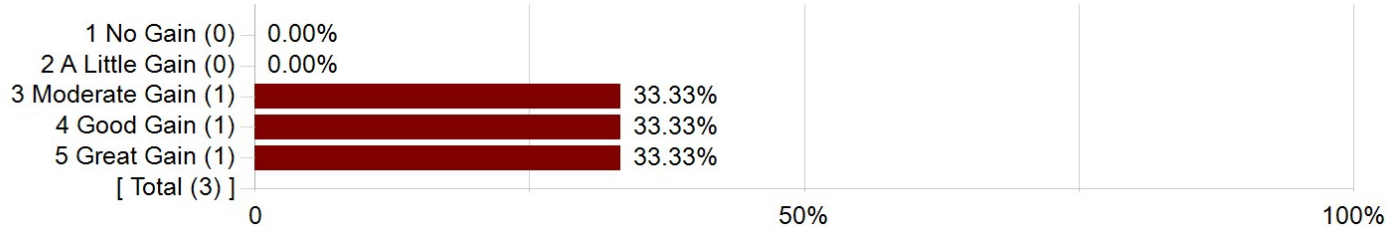
5. Lab Experiences



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	30.00%
Great Gain	5	7	70.00%

Statistics	Value
Response Count	10
Mean	4.70
Median	5.00
Standard Deviation	0.48

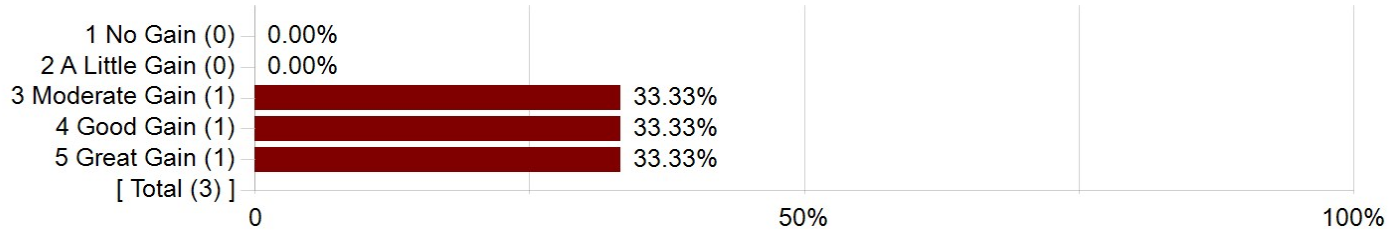
6. Discussion Sessions



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

Statistics	Value
Response Count	3
Mean	4.00
Median	4.00
Standard Deviation	1.00

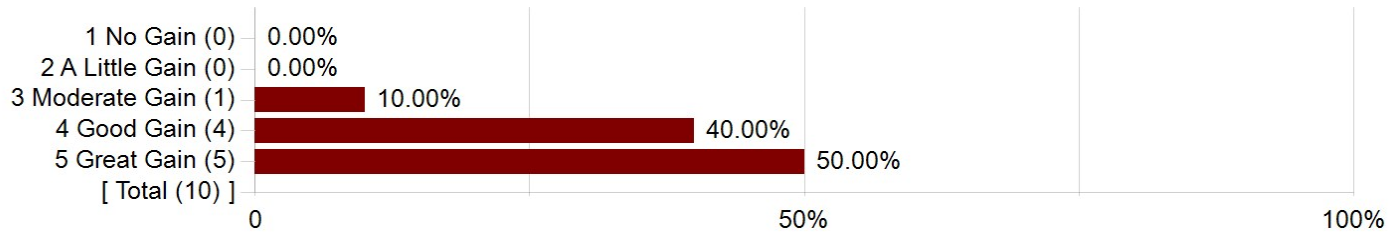
7. Review Sessions



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

Statistics	Value
Response Count	3
Mean	4.00
Median	4.00
Standard Deviation	1.00

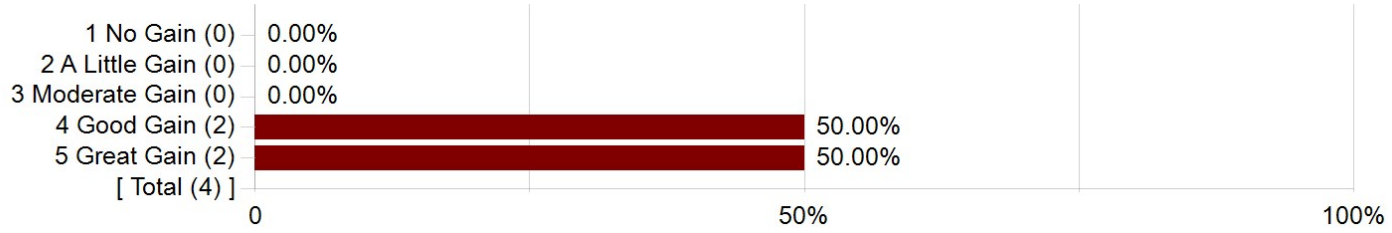
8. Interactions with Other Students



Options	Score	Count	Percentage
No Gain	1	0	0.00%
A Little Gain	2	0	0.00%
Moderate Gain	3	1	10.00%
Good Gain	4	4	40.00%
Great Gain	5	5	50.00%

Statistics	Value
Response Count	10
Mean	4.40
Median	4.50
Standard Deviation	0.70

9. Faculty Office Hours

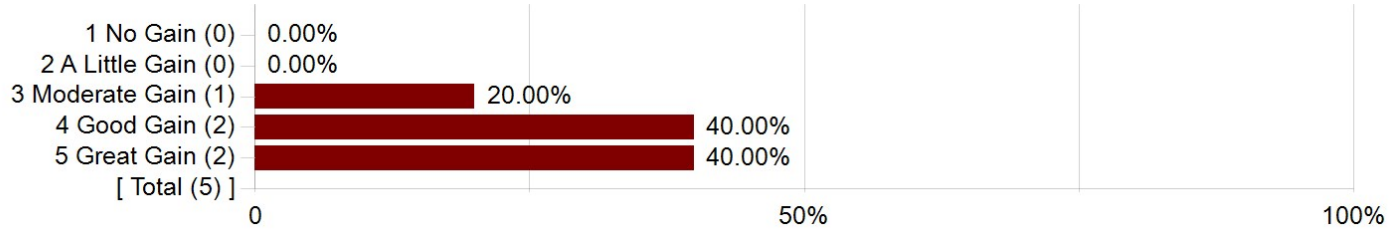


Options	Score	Count	Percentage
No Gain	1	0	0.00%
A Little Gain	2	0	0.00%
Moderate Gain	3	0	0.00%
Good Gain	4	2	50.00%
Great Gain	5	2	50.00%

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

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	1	20.00%
Good Gain	4	2	40.00%
Great Gain	5	2	40.00%

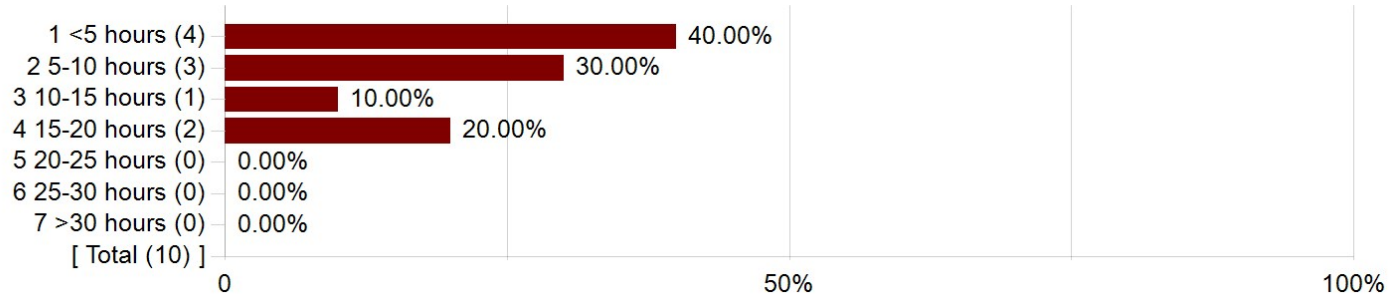
Statistics	Value
Response Count	5
Mean	4.20
Median	4.00
Standard Deviation	0.84

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
I found the intricacies of the nervous system of different organisms, although still hard to fully grasp, extremely interesting
I enjoyed learning about genotype and phenotype relations
A very fundamental & important understanding of how everything living works
Use of microscopes, scientific method, and running a research project
How to conduct a thorough research project and experiment
Learning about plasticity was awesome and how to do research effectively and efficiently. I wish the instructor has reiterated a few of the initial key concepts again towards the end.
i didnt know that our world could be so beautiful under a microscope

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

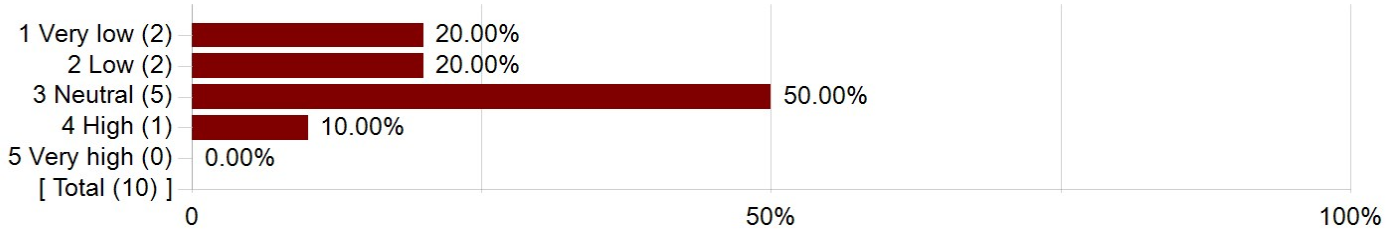
How many hours per week outside of attending required sessions did you spend on this course?



Statistics	Value
Response Count	10
Mean	2.10
Median	2.00
Standard Deviation	1.20

Prior to starting this class, your interest level was?

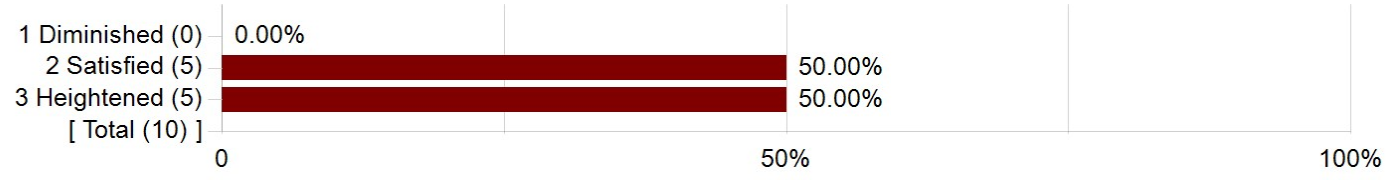
Prior to starting this class, your interest level was?



Statistics	Value
Response Count	10
Mean	2.50
Median	3.00
Standard Deviation	0.97

Now that this class is over, your interest is?

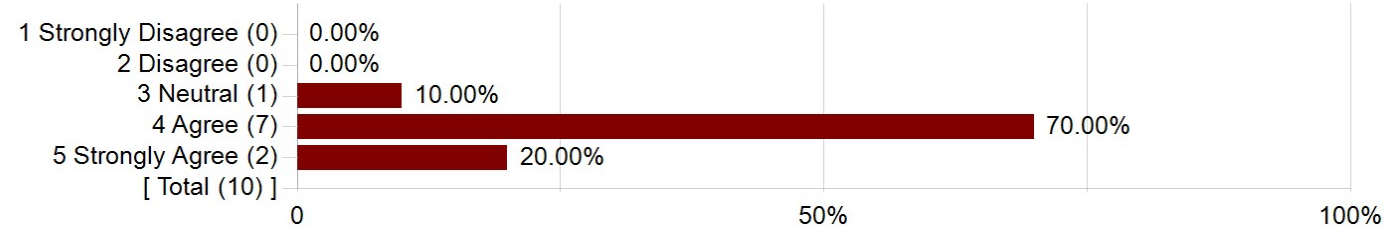
Now that this class is over, your interest is?



Statistics	Value
Response Count	10
Mean	2.50
Median	2.50
Standard Deviation	0.53

Overall, this was an excellent course.

Overall, this was an excellent course.



Statistics	Value
Response Count	10
Mean	4.10
Median	4.00
Standard Deviation	0.57

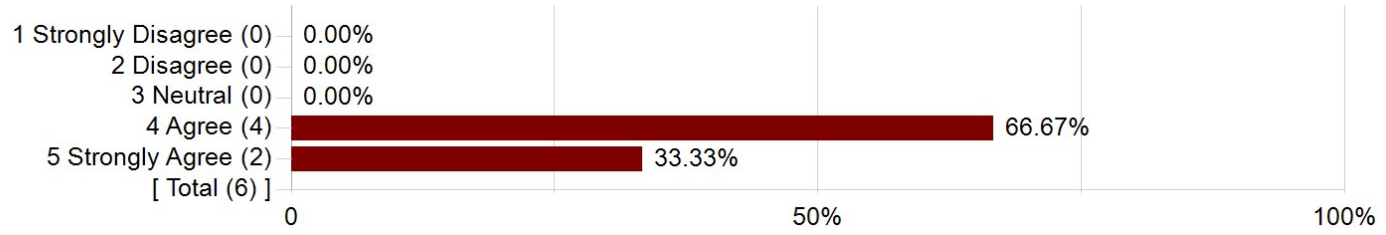
Please share any advice you have for students who are considering taking the course.

Comments
Do your work every week and be organised and on top of your research project assignment from the beginning
If you are interested in a reasonable introduction to biology, this course is for you. Expectations are reasonable, and the focus is on learning through doing
This is not an easy course. If you have some biology background then definitely take it because it was super interesting, but I am certain I would not have been able to take this class successfully without prior knowledge (A–level Biology). However, if you are willing to do the work and don't want to take something slightly easier like principles, then inquiry is a good choice.
take advantage of the digital microscopes!

Laboratory Meetings

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

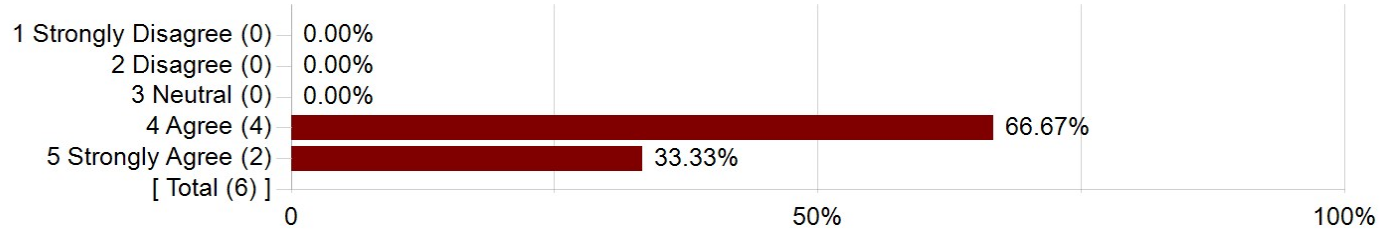
1. The laboratory protocols and instructions were clear and well organized.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neutral	3	0	0.00%
Agree	4	4	66.67%
Strongly Agree	5	2	33.33%

Statistics	Value
Response Count	6
Mean	4.33
Median	4.00
Standard Deviation	0.52

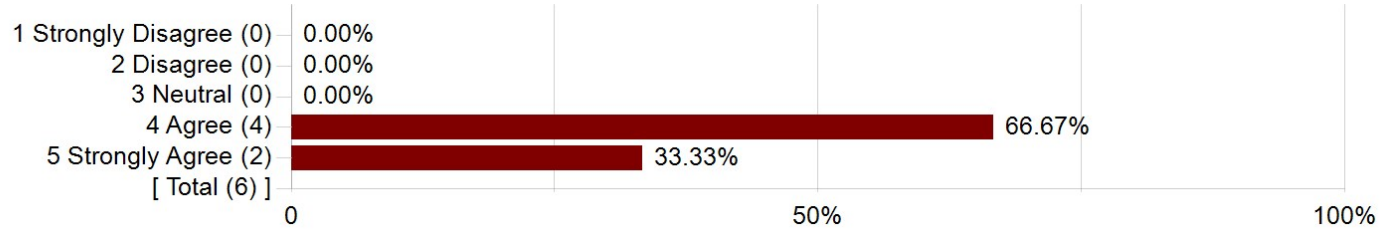
2. Materials and equipment needed for performing the exercises were readily available.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neutral	3	0	0.00%
Agree	4	4	66.67%
Strongly Agree	5	2	33.33%

Statistics	Value
Response Count	6
Mean	4.33
Median	4.00
Standard Deviation	0.52

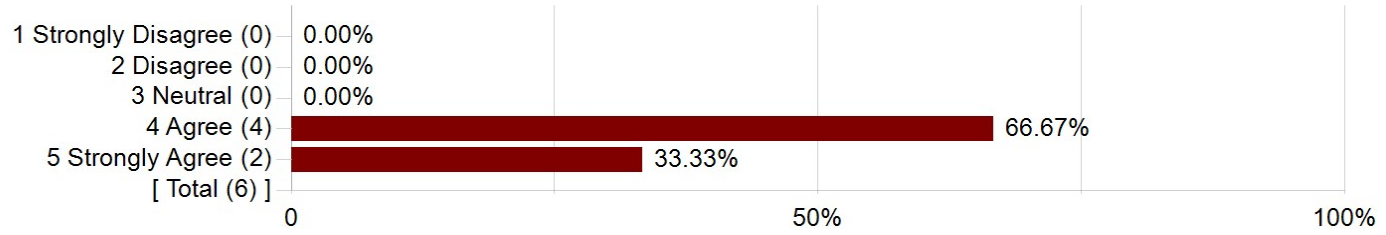
3. The lab exercises had clear educational goals.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neutral	3	0	0.00%
Agree	4	4	66.67%
Strongly Agree	5	2	33.33%

Statistics	Value
Response Count	6
Mean	4.33
Median	4.00
Standard Deviation	0.52

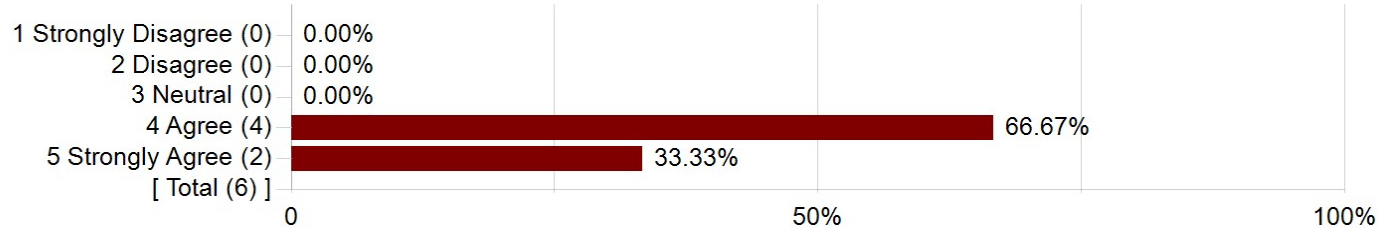
4. The goals of the lab exercises were well integrated with the overall objectives of the course.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neutral	3	0	0.00%
Agree	4	4	66.67%
Strongly Agree	5	2	33.33%

Statistics	Value
Response Count	6
Mean	4.33
Median	4.00
Standard Deviation	0.52

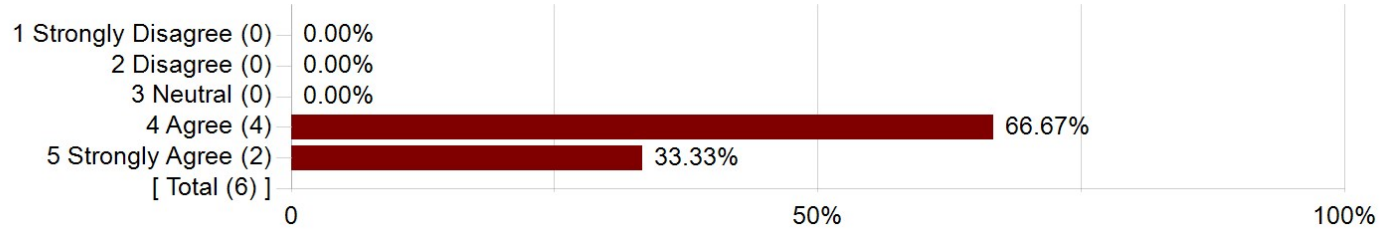
5. The lab exercises explored course topics in ways that could not have been accomplished in lecture or discussion.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neutral	3	0	0.00%
Agree	4	4	66.67%
Strongly Agree	5	2	33.33%

Statistics	Value
Response Count	6
Mean	4.33
Median	4.00
Standard Deviation	0.52

6. Overall, this was an excellent laboratory experience.

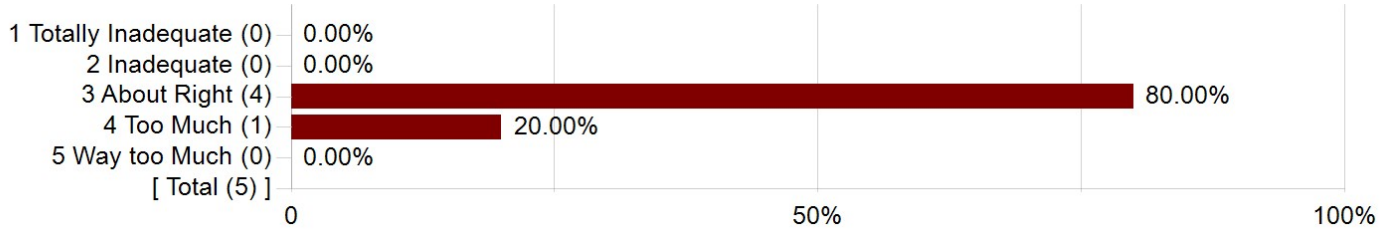


Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neutral	3	0	0.00%
Agree	4	4	66.67%
Strongly Agree	5	2	33.33%

Statistics	Value
Response Count	6
Mean	4.33
Median	4.00
Standard Deviation	0.52

The time allocated for completing the lab was:

The time allocated for completing the lab was:



Statistics	Value
Response Count	5
Mean	3.20
Median	3.00
Standard Deviation	0.45

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
When and how to use different types of microscopes
use of microscopes, C. elegant
Critical thinking and problem solving when experiments did not go as expected
I learned how to handle pipettes and microscopes primarily. I also learned how to run chemotaxis assays.

Please share any recommendations to improve the laboratory learning experience.

Comments
n/a
n/a