BIOS 10140 9 - Inquiry-based Exploration of Biology - Instructor(s): Amanda Brock

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

Number Enrolled: **24**
Number of Responses: **15**

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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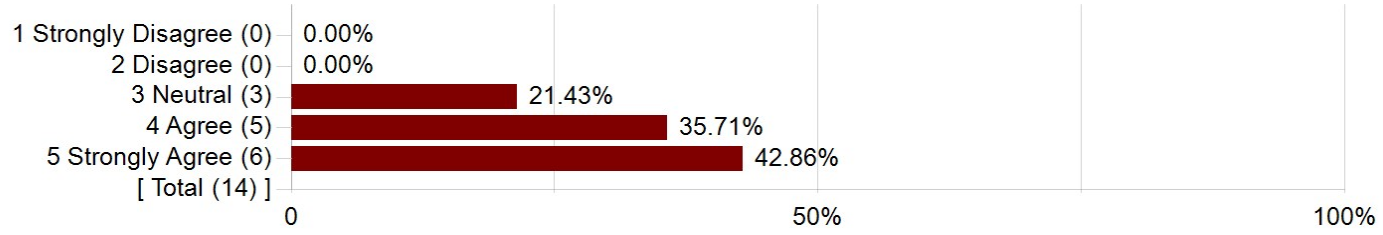

Statistics	Value
Response Count	14
Mean	4.21
Median	4.00
Standard Deviation	0.80

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

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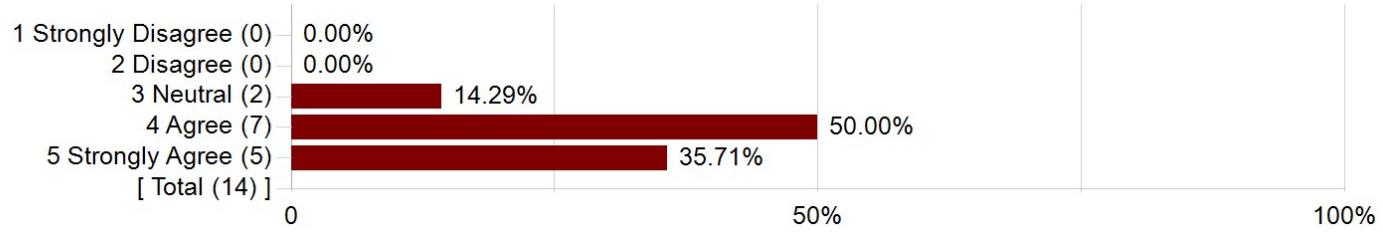

Statistics	Value
Response Count	14
Mean	4.21
Median	4.00
Standard Deviation	0.70

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

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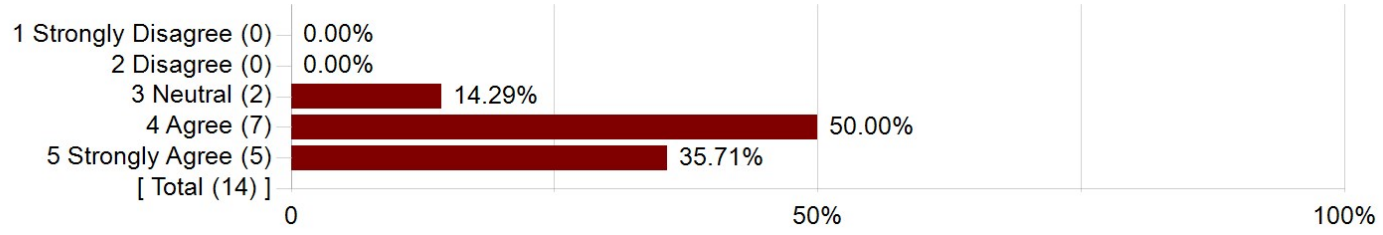

Statistics	Value
Response Count	14
Mean	4.21
Median	4.00
Standard Deviation	0.70

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

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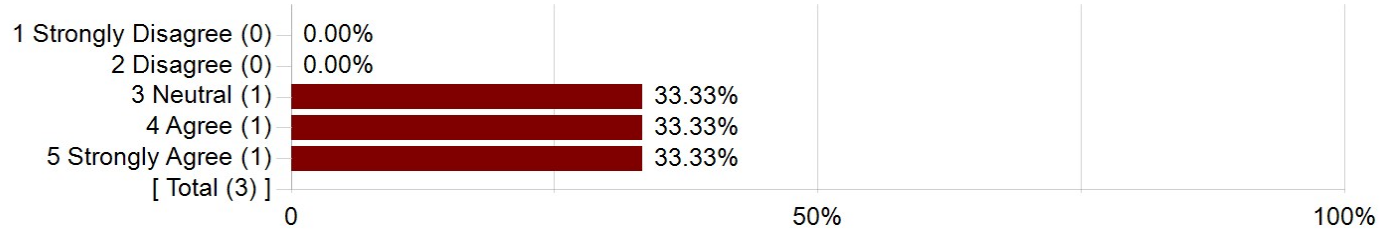
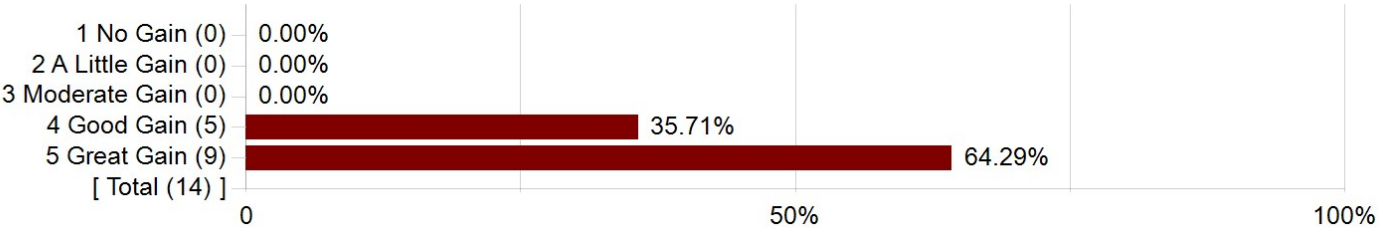


Statistics	Value
Response Count	3
Mean	4.00
Median	4.00
Standard Deviation	1.00

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

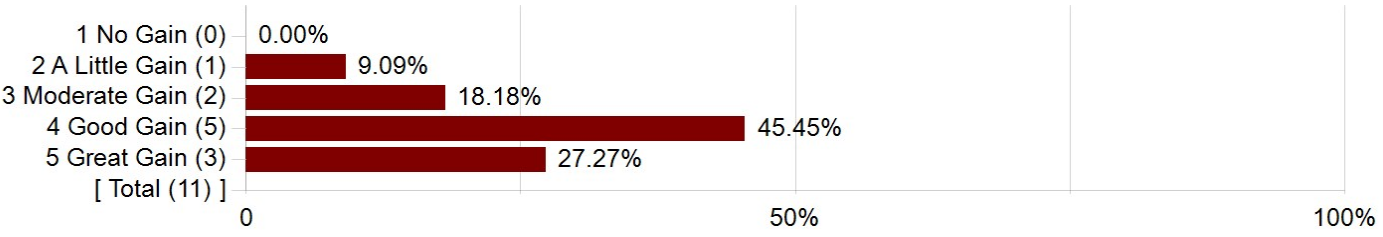
1. Classroom Lectures



Options	Score	Count	Percentage
No Gain	1	0	0.00%
A Little Gain	2	0	0.00%
Moderate Gain	3	0	0.00%
Good Gain	4	5	35.71%
Great Gain	5	9	64.29%

Statistics	Value
Response Count	14
Mean	4.64
Median	5.00
Standard Deviation	0.50

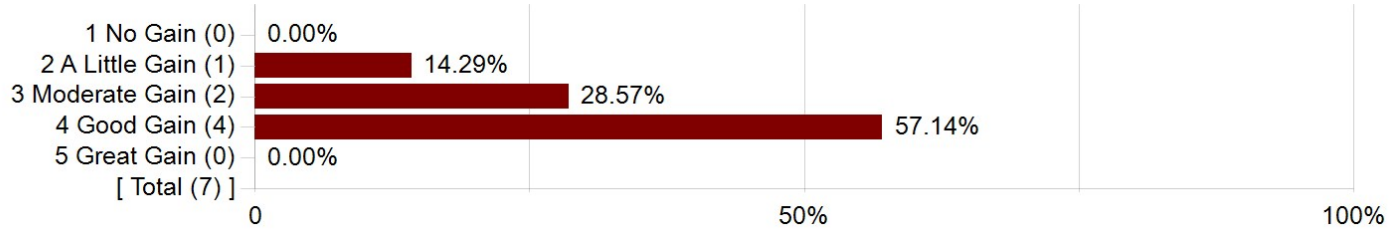
2. Classroom Discussions



Options	Score	Count	Percentage
No Gain	1	0	0.00%
A Little Gain	2	1	9.09%
Moderate Gain	3	2	18.18%
Good Gain	4	5	45.45%
Great Gain	5	3	27.27%

Statistics	Value
Response Count	11
Mean	3.91
Median	4.00
Standard Deviation	0.94

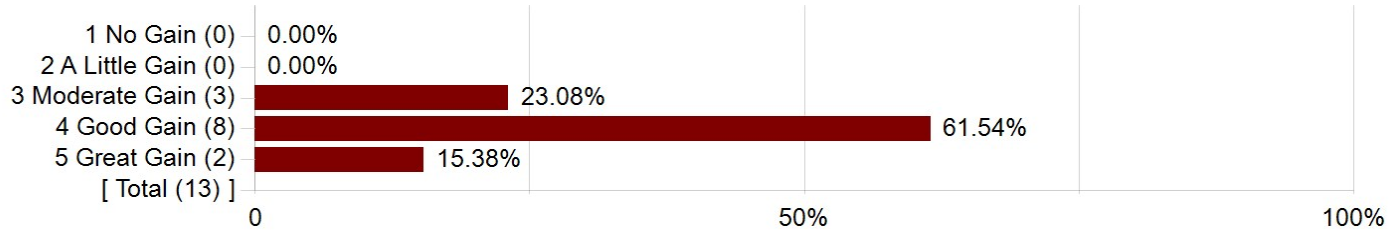
3. Assigned Readings



Options	Score	Count	Percentage
No Gain	1	0	0.00%
A Little Gain	2	1	14.29%
Moderate Gain	3	2	28.57%
Good Gain	4	4	57.14%
Great Gain	5	0	0.00%

Statistics	Value
Response Count	7
Mean	3.43
Median	4.00
Standard Deviation	0.79

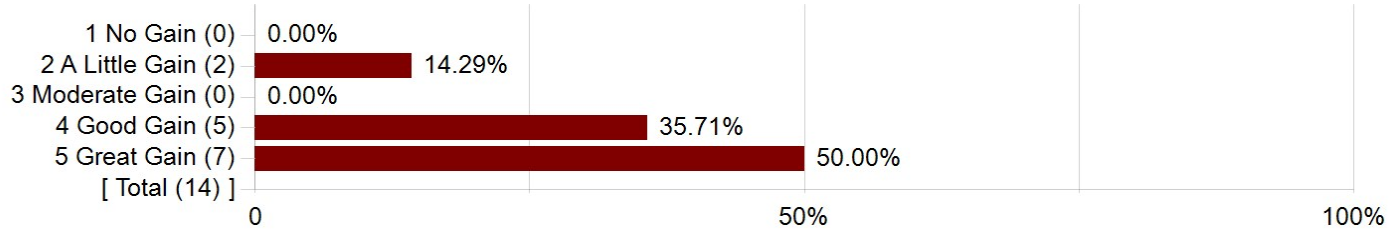
4. Homework Exercises



Options	Score	Count	Percentage
No Gain	1	0	0.00%
A Little Gain	2	0	0.00%
Moderate Gain	3	3	23.08%
Good Gain	4	8	61.54%
Great Gain	5	2	15.38%

Statistics	Value
Response Count	13
Mean	3.92
Median	4.00
Standard Deviation	0.64

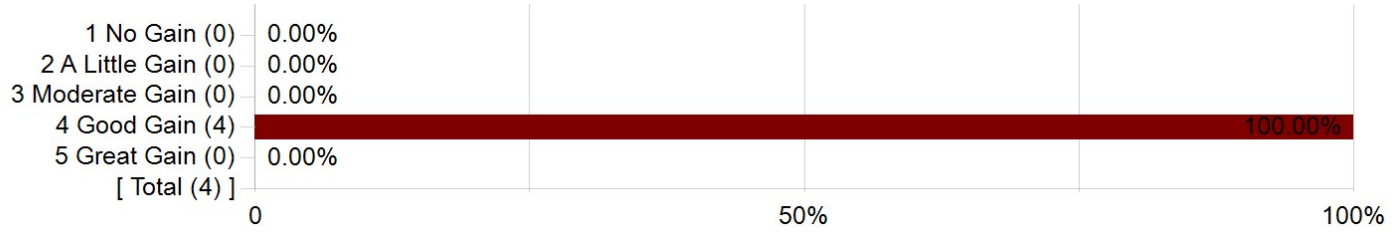
5. Lab Experiences



Options	Score	Count	Percentage
No Gain	1	0	0.00%
A Little Gain	2	2	14.29%
Moderate Gain	3	0	0.00%
Good Gain	4	5	35.71%
Great Gain	5	7	50.00%

Statistics	Value
Response Count	14
Mean	4.21
Median	4.50
Standard Deviation	1.05

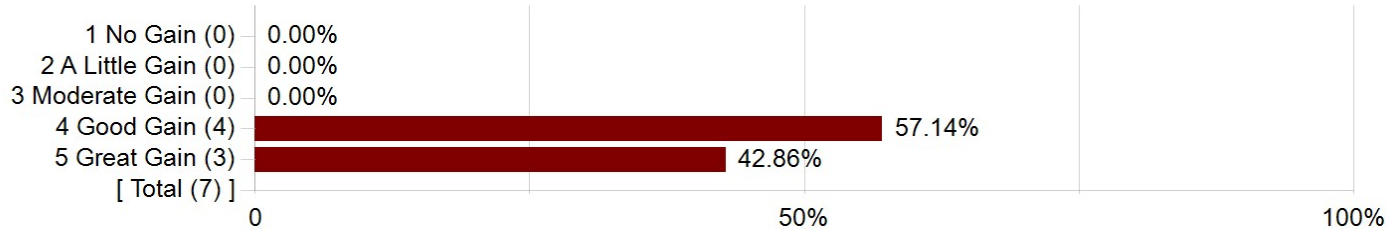
6. Discussion Sessions



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	4	100.00%
Great Gain	5	0	0.00%

Statistics	Value
Response Count	4
Mean	4.00
Median	4.00
Standard Deviation	0.00

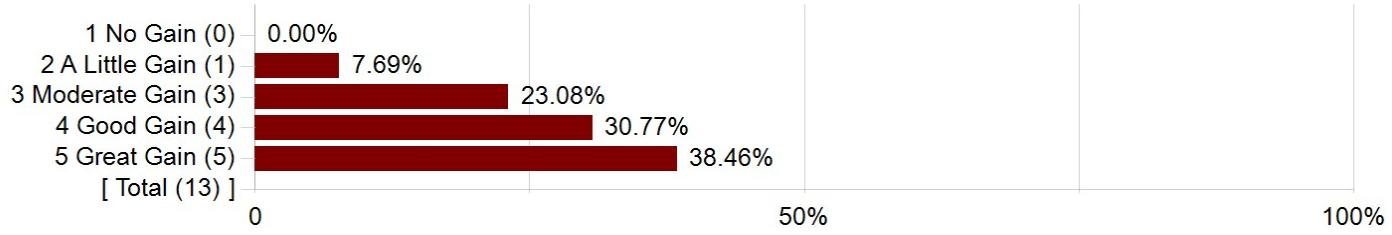
7. Review Sessions



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	4	57.14%
Great Gain	5	3	42.86%

Statistics	Value
Response Count	7
Mean	4.43
Median	4.00
Standard Deviation	0.53

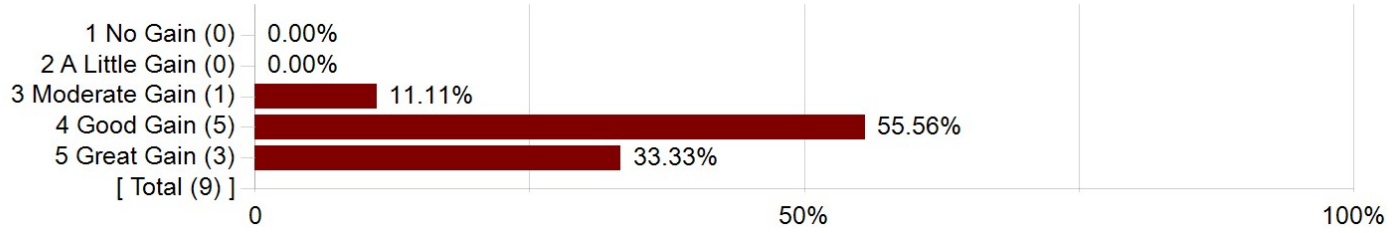
8. Interactions with Other Students



Options	Score	Count	Percentage
No Gain	1	0	0.00%
A Little Gain	2	1	7.69%
Moderate Gain	3	3	23.08%
Good Gain	4	4	30.77%
Great Gain	5	5	38.46%

Statistics	Value
Response Count	13
Mean	4.00
Median	4.00
Standard Deviation	1.00

9. Faculty Office Hours

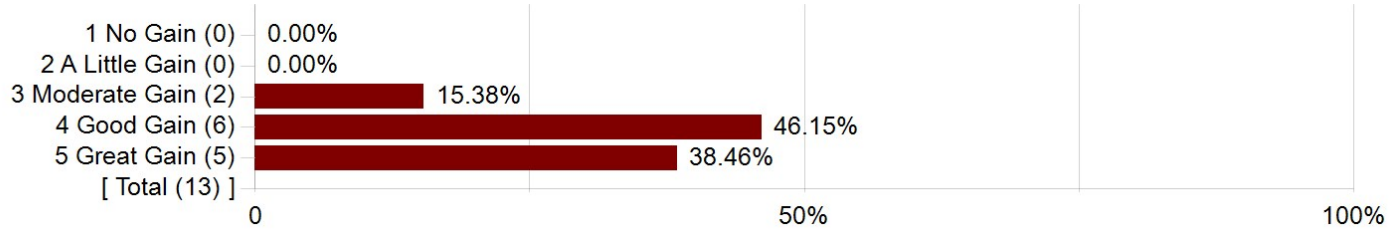


Options	Score	Count	Percentage
No Gain	1	0	0.00%
A Little Gain	2	0	0.00%
Moderate Gain	3	1	11.11%
Good Gain	4	5	55.56%
Great Gain	5	3	33.33%

Statistics	Value
Response Count	9
Mean	4.22
Median	4.00
Standard Deviation	0.67

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	2	15.38%
Good Gain	4	6	46.15%
Great Gain	5	5	38.46%

Statistics	Value
Response Count	13
Mean	4.23
Median	4.00
Standard Deviation	0.73

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
how planaria regenerate
I learned a lot about the central dogma of biology, DNA replication, transcription, and translation, and what happens when it mutates.
planaria regenerate!
General overview of regeneration
planarian have many reasons for regenerating
I believe the most important thing was the central dogma of biology. I had background knowledge on this earlier but gaining an in depth understanding was crucial to understanding all life on earth.
The Central Dogma seems to be, as the name implies, very important for biology as a whole. Also, getting to further understand pathways and basics of planaria regeneration is very cool! There are some concepts in genetics and how things are inherited that are still unclear, but I do not think these are as relevant for the course.
The most important thing learned in this course is the connection between the cell cycle and important biological processes within the body and the planarian worms we studied.

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

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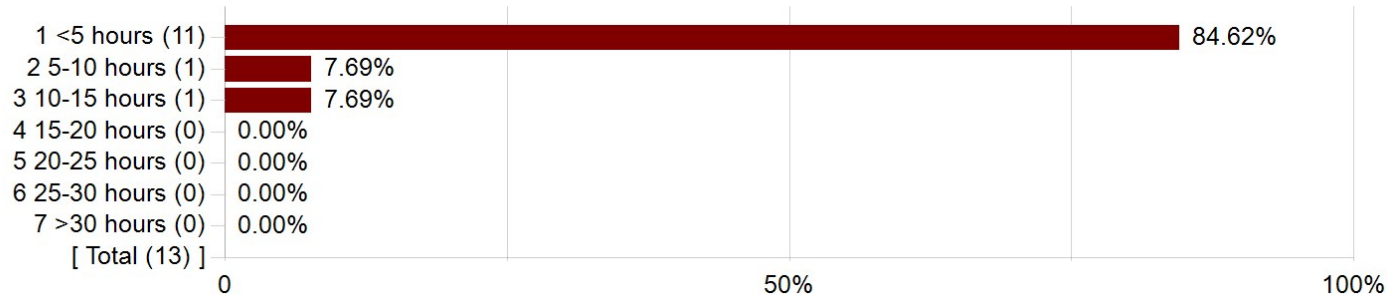
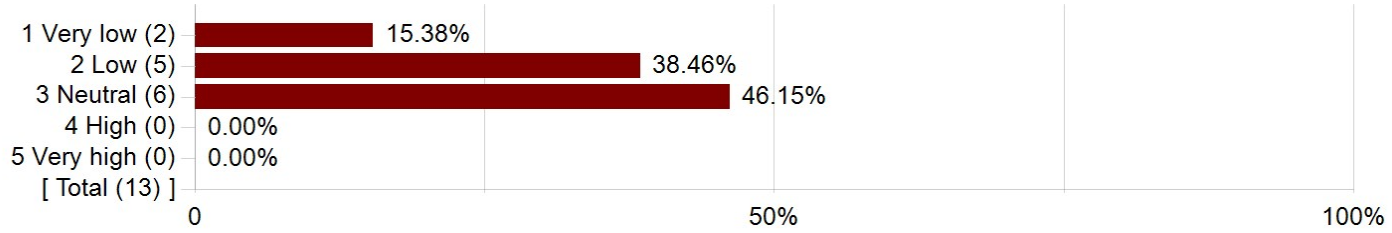


Statistics	Value
Response Count	13
Mean	1.23
Median	1.00
Standard Deviation	0.60

Prior to starting this class, your interest level was?

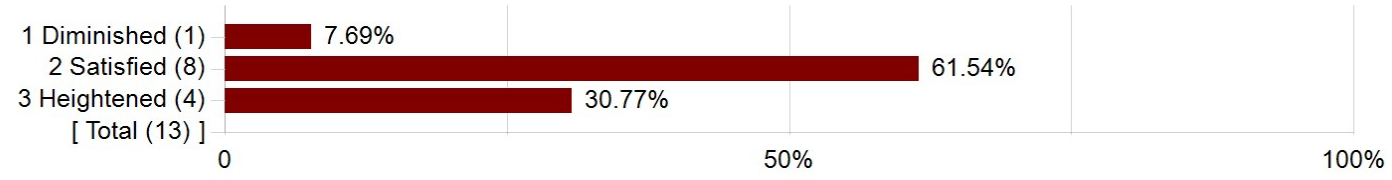
Prior to starting this class, your interest level was?



Statistics	Value
Response Count	13
Mean	2.31
Median	2.00
Standard Deviation	0.75

Now that this class is over, your interest is?

Now that this class is over, your interest is?



Statistics	Value
Response Count	13
Mean	2.23
Median	2.00
Standard Deviation	0.60

Overall, this was an excellent course.

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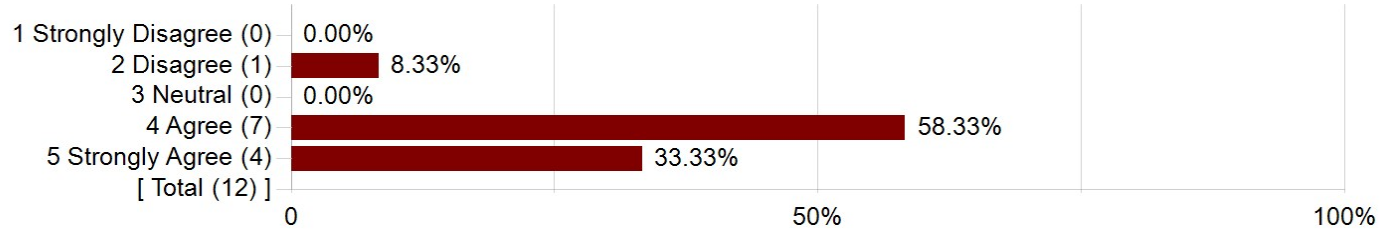


Statistics	Value
Response Count	12
Mean	4.17
Median	4.00
Standard Deviation	0.83

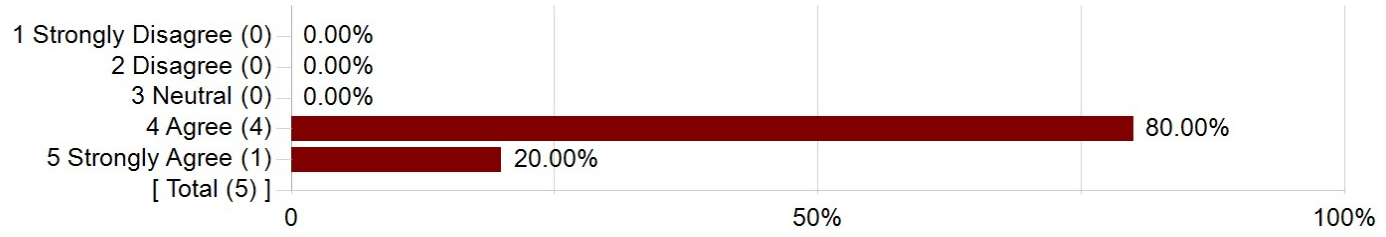
Please share any advice you have for students who are considering taking the course.

Comments
pay attention to the lecture
take it. it's not too much work, but do not underestimate it. you still have to study well your notes from class to get a good midterm grade. you will need to do decent research for the final paper too.
go to class! (or else you might miss lecture or a lab portion), the slides don't always have everything that Dr. Brock teaches so it's important to go even if she posts the slides.
pick an easy gene
Start the final project accordingly, do not save it all for the last week because you will have many questions for Dr. Brock and TA's.
Take good notes!

Laboratory Meetings

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

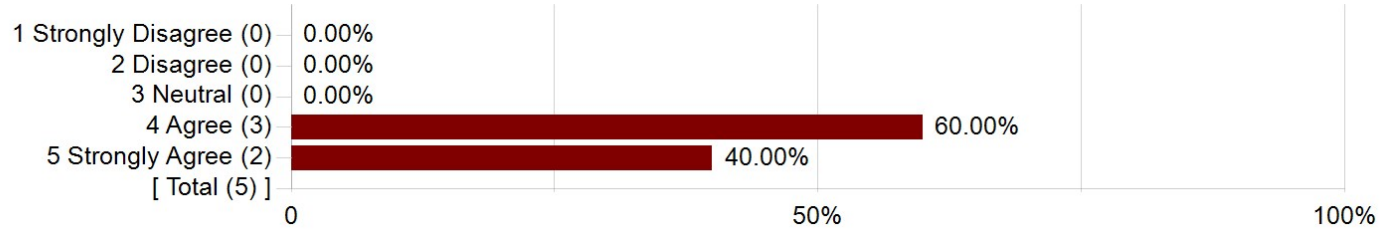
1. The laboratory protocols and instructions were clear and well organized.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neutral	3	0	0.00%
Agree	4	4	80.00%
Strongly Agree	5	1	20.00%

Statistics	Value
Response Count	5
Mean	4.20
Median	4.00
Standard Deviation	0.45

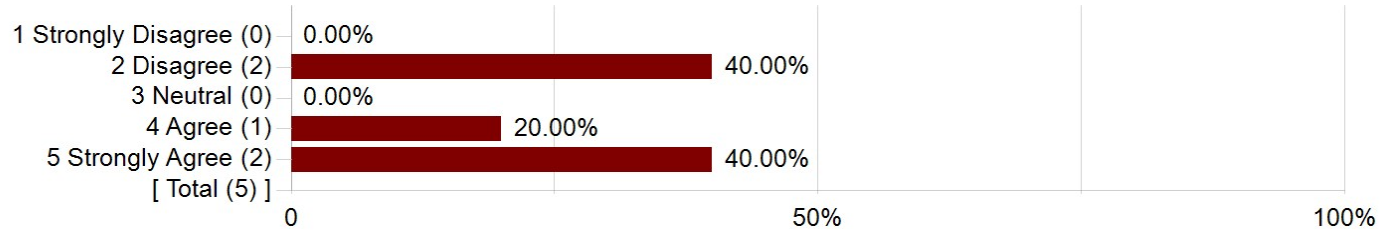
2. Materials and equipment needed for performing the exercises were readily available.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neutral	3	0	0.00%
Agree	4	3	60.00%
Strongly Agree	5	2	40.00%

Statistics	Value
Response Count	5
Mean	4.40
Median	4.00
Standard Deviation	0.55

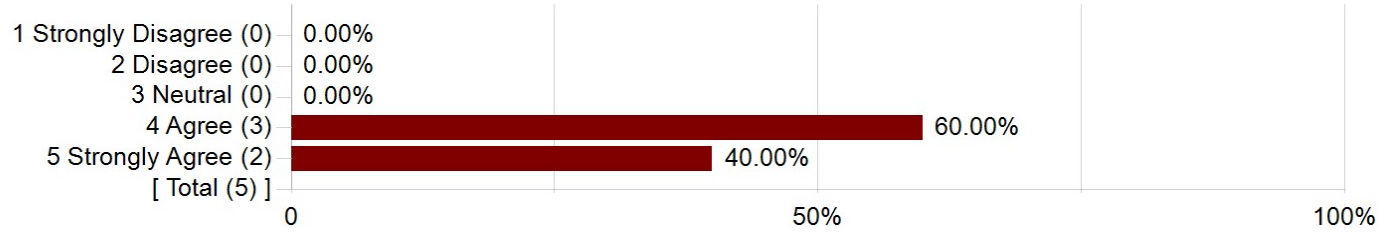
3. The lab exercises had clear educational goals.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	2	40.00%
Neutral	3	0	0.00%
Agree	4	1	20.00%
Strongly Agree	5	2	40.00%

Statistics	Value
Response Count	5
Mean	3.60
Median	4.00
Standard Deviation	1.52

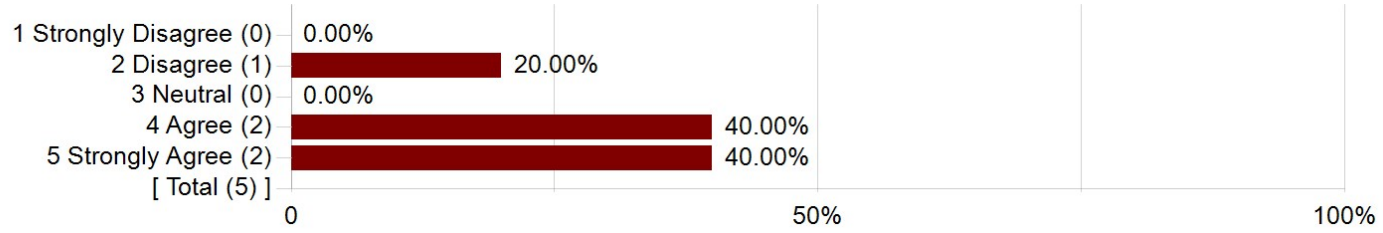
4. The goals of the lab exercises were well integrated with the overall objectives of the course.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neutral	3	0	0.00%
Agree	4	3	60.00%
Strongly Agree	5	2	40.00%

Statistics	Value
Response Count	5
Mean	4.40
Median	4.00
Standard Deviation	0.55

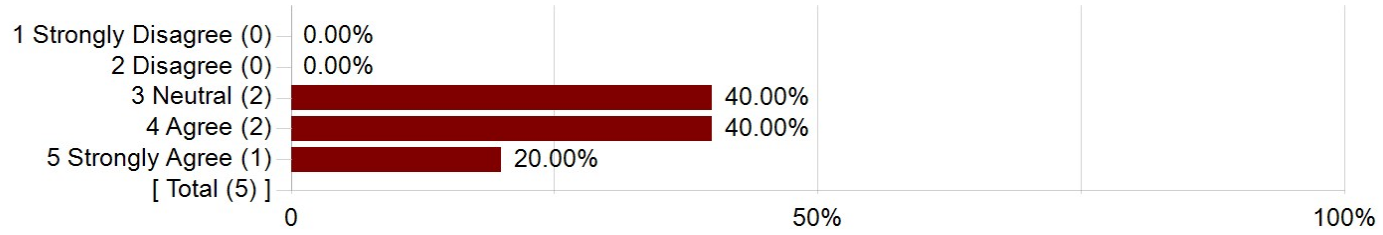
5. The lab exercises explored course topics in ways that could not have been accomplished in lecture or discussion.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	1	20.00%
Neutral	3	0	0.00%
Agree	4	2	40.00%
Strongly Agree	5	2	40.00%

Statistics	Value
Response Count	5
Mean	4.00
Median	4.00
Standard Deviation	1.22

6. Overall, this was an excellent laboratory experience.

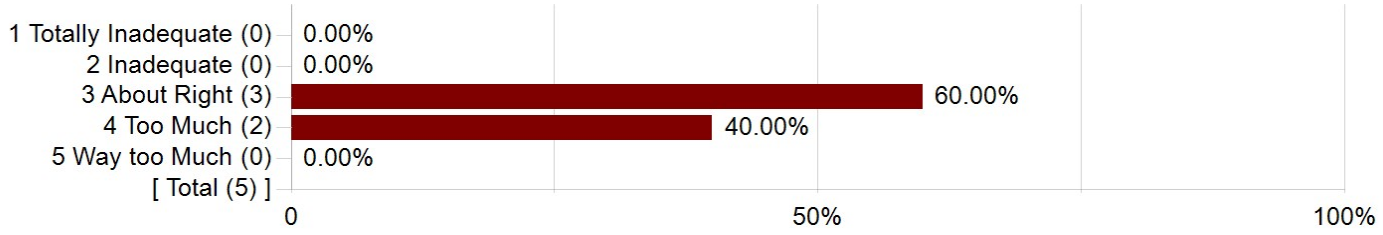


Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neutral	3	2	40.00%
Agree	4	2	40.00%
Strongly Agree	5	1	20.00%

Statistics	Value
Response Count	5
Mean	3.80
Median	4.00
Standard Deviation	0.84

The time allocated for completing the lab was:

The time allocated for completing the lab was:



Statistics	Value
Response Count	5
Mean	3.40
Median	3.00
Standard Deviation	0.55

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
I learned how to use a microscope!

Please share any recommendations to improve the laboratory learning experience.

Comments
I love that these are integrated with class time (much better to do it all at once), but often the labs felt unnecessary or not very instructive. The lectures, on the other hand, consistently were.