



BIOS 10140 15 - Inquiry-based Exploration of Biology - Instructor(s): Robert Bednarczyk

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

Number Enrolled: **25**

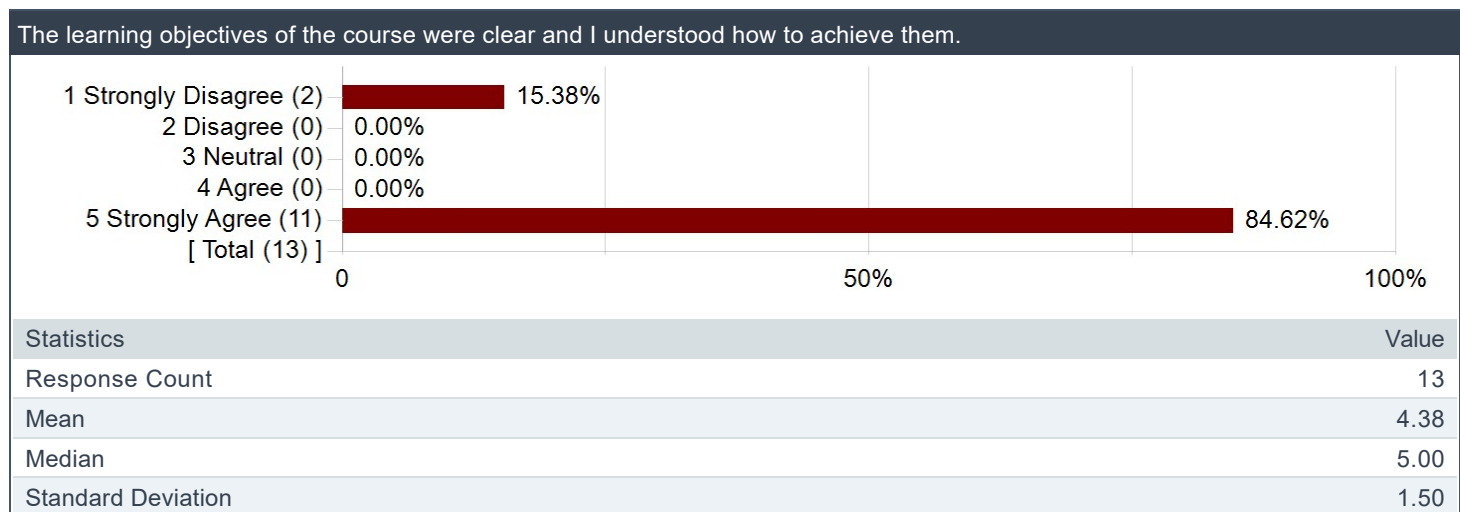
Number of Responses: **15**

Report Comments

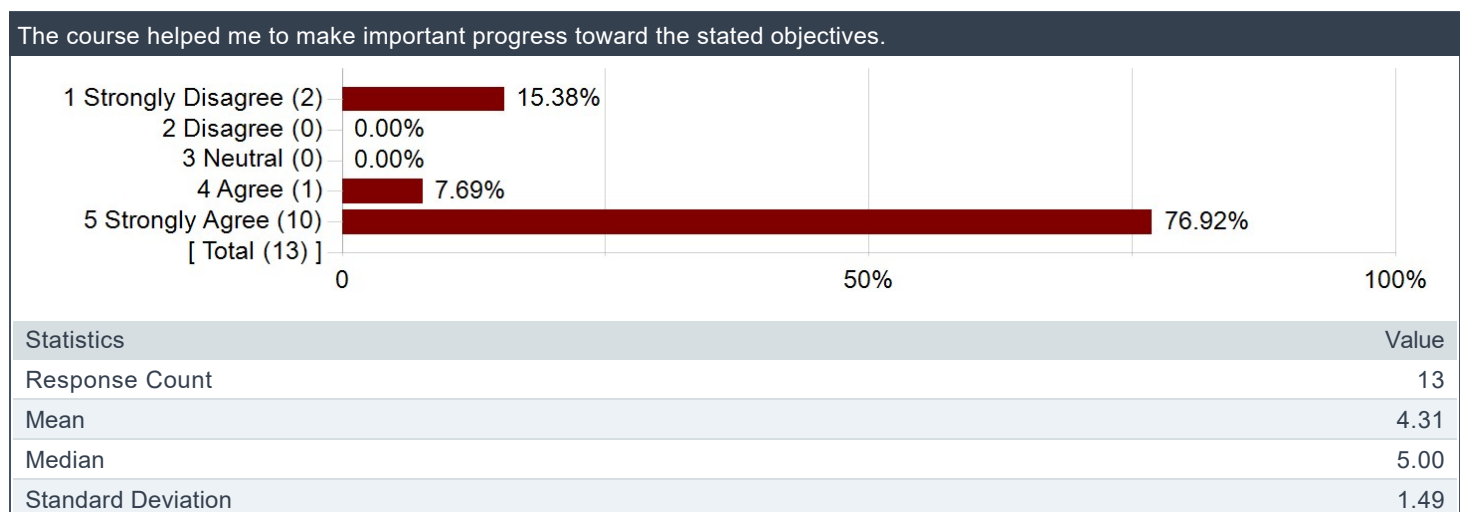
Opinions expressed in these evaluations are those of students enrolled in the specific course and do not represent the University.

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

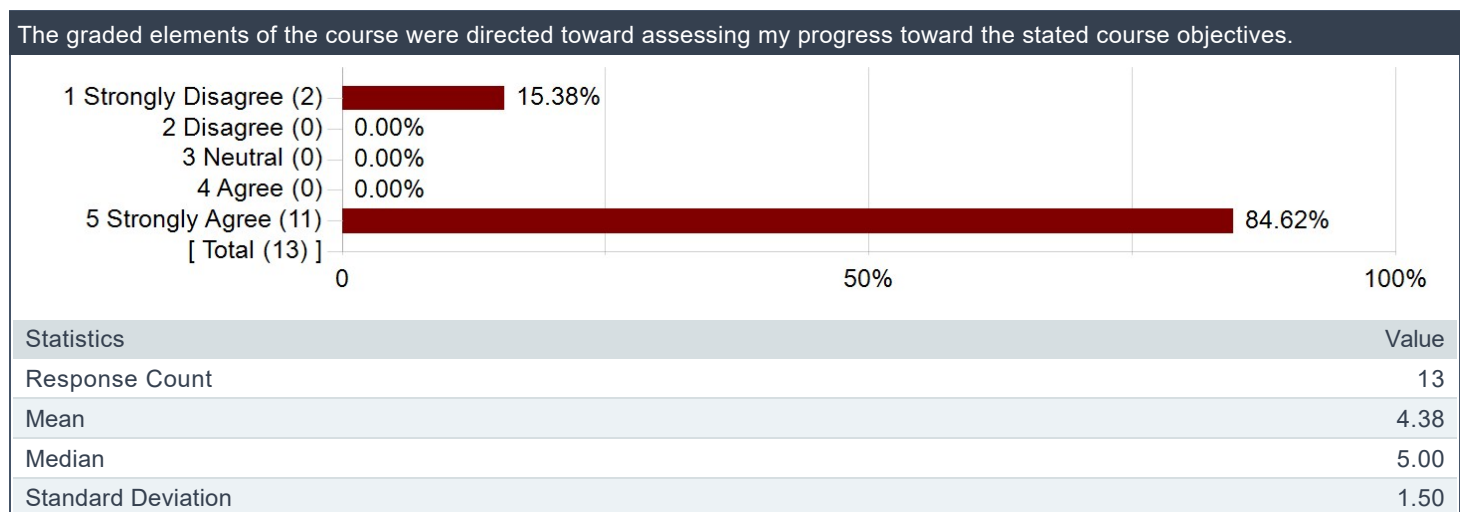
The learning objectives of the course were clear and I understood how to achieve them.



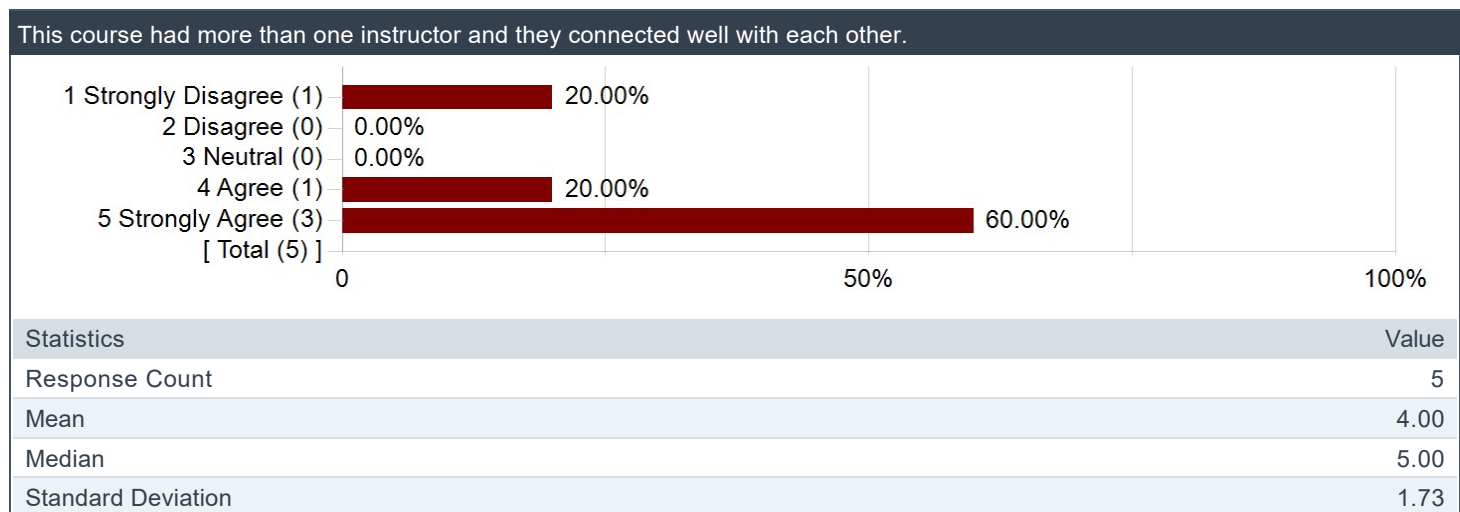
The course helped me to make important progress toward the stated objectives.



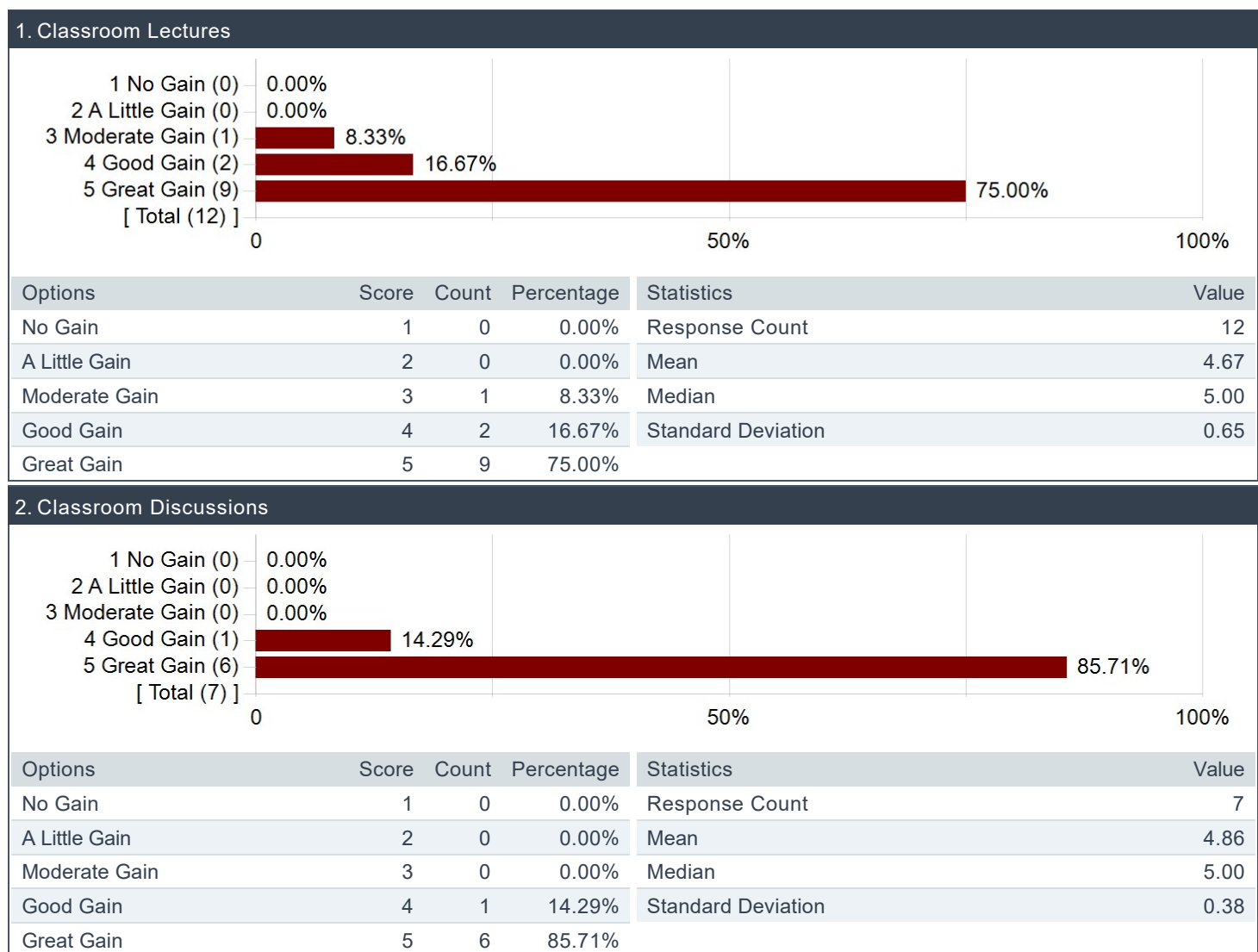
The graded elements of the course were directed toward assessing my progress toward the stated course objectives.



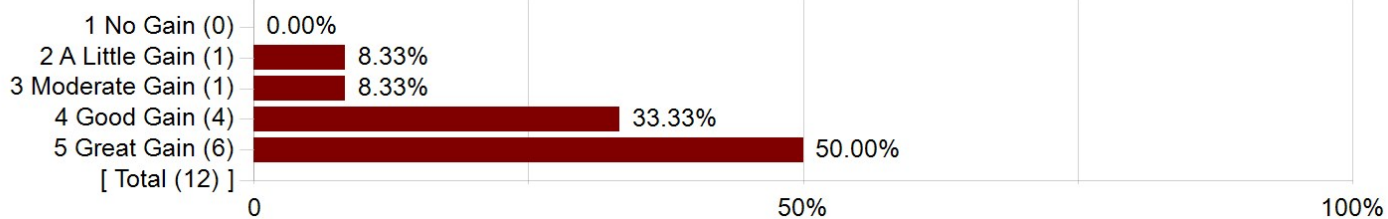
This course had more than one instructor and they connected well with each other.



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

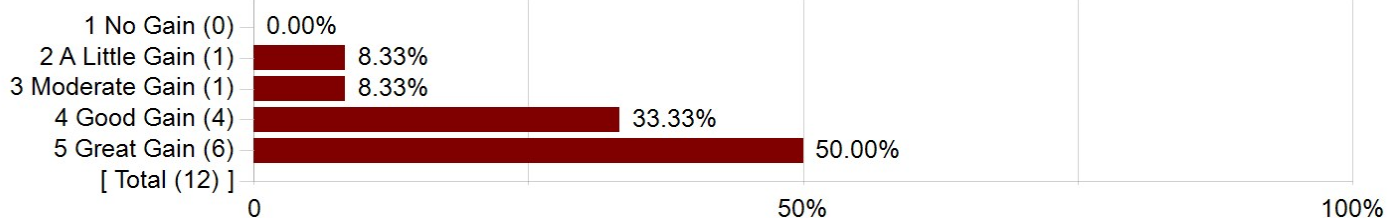


3. Assigned Readings



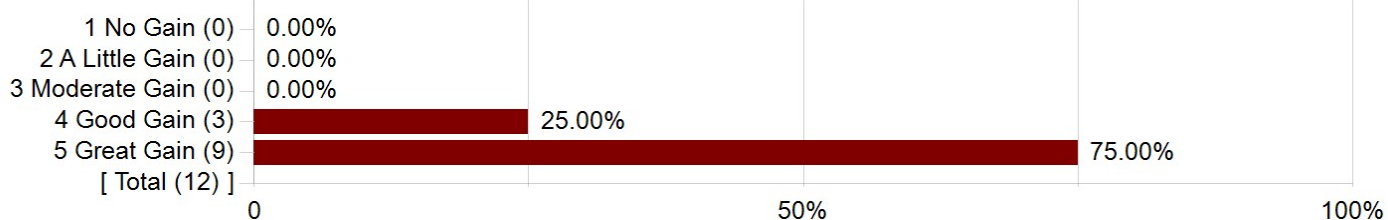
Options	Score	Count	Percentage	Statistics	Value
No Gain	1	0	0.00%	Response Count	12
A Little Gain	2	1	8.33%	Mean	4.25
Moderate Gain	3	1	8.33%	Median	4.50
Good Gain	4	4	33.33%	Standard Deviation	0.97
Great Gain	5	6	50.00%		

4. Homework Exercises



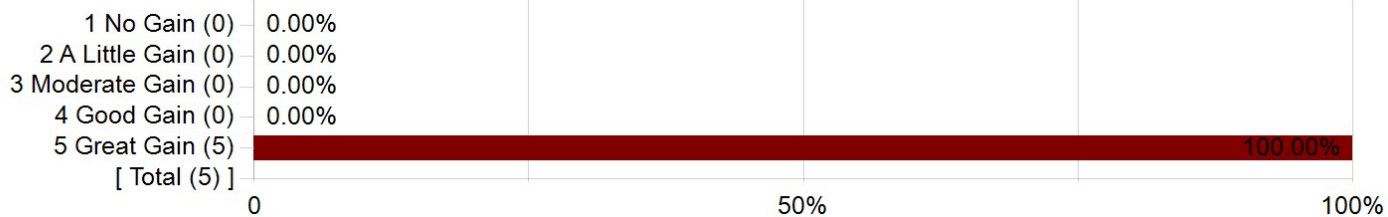
Options	Score	Count	Percentage	Statistics	Value
No Gain	1	0	0.00%	Response Count	12
A Little Gain	2	1	8.33%	Mean	4.25
Moderate Gain	3	1	8.33%	Median	4.50
Good Gain	4	4	33.33%	Standard Deviation	0.97
Great Gain	5	6	50.00%		

5. Lab Experiences



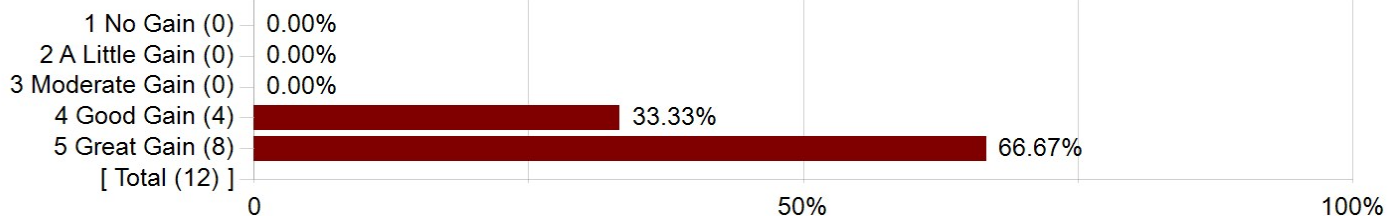
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No Gain	1	0	0.00%	Response Count	12
A Little Gain	2	0	0.00%	Mean	4.75
Moderate Gain	3	0	0.00%	Median	5.00
Good Gain	4	3	25.00%	Standard Deviation	0.45
Great Gain	5	9	75.00%		

6. Discussion Sessions



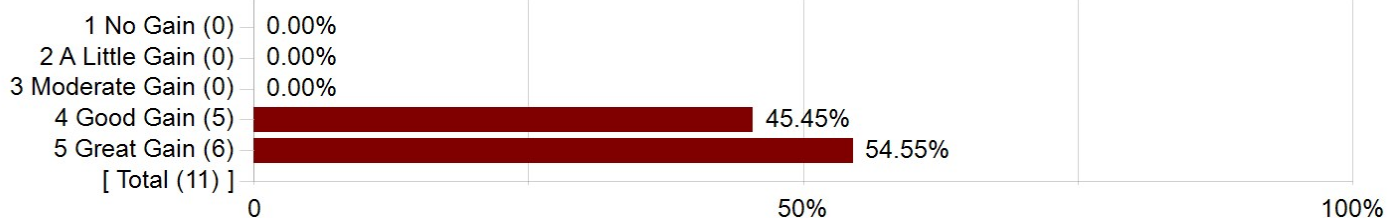
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No Gain	1	0	0.00%	Response Count	5
A Little Gain	2	0	0.00%	Mean	5.00
Moderate Gain	3	0	0.00%	Median	5.00
Good Gain	4	0	0.00%	Standard Deviation	0.00
Great Gain	5	5	100.00%		

7. Review Sessions



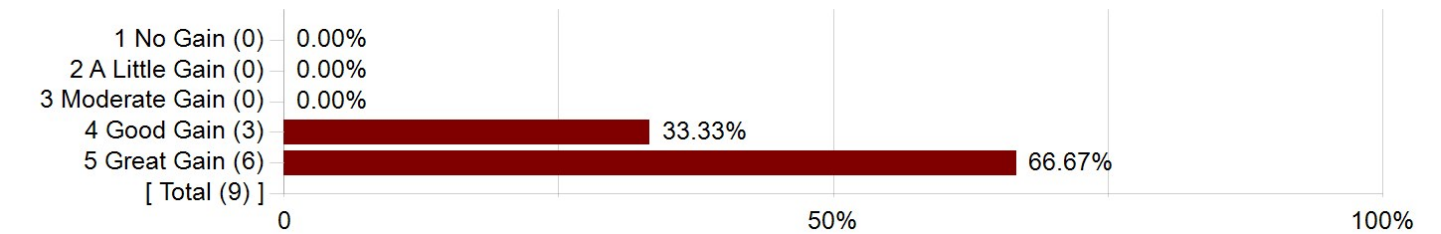
Options	Score	Count	Percentage	Statistics	Value
No Gain	1	0	0.00%	Response Count	12
A Little Gain	2	0	0.00%	Mean	4.67
Moderate Gain	3	0	0.00%	Median	5.00
Good Gain	4	4	33.33%	Standard Deviation	0.49
Great Gain	5	8	66.67%		

8. Interactions with Other Students



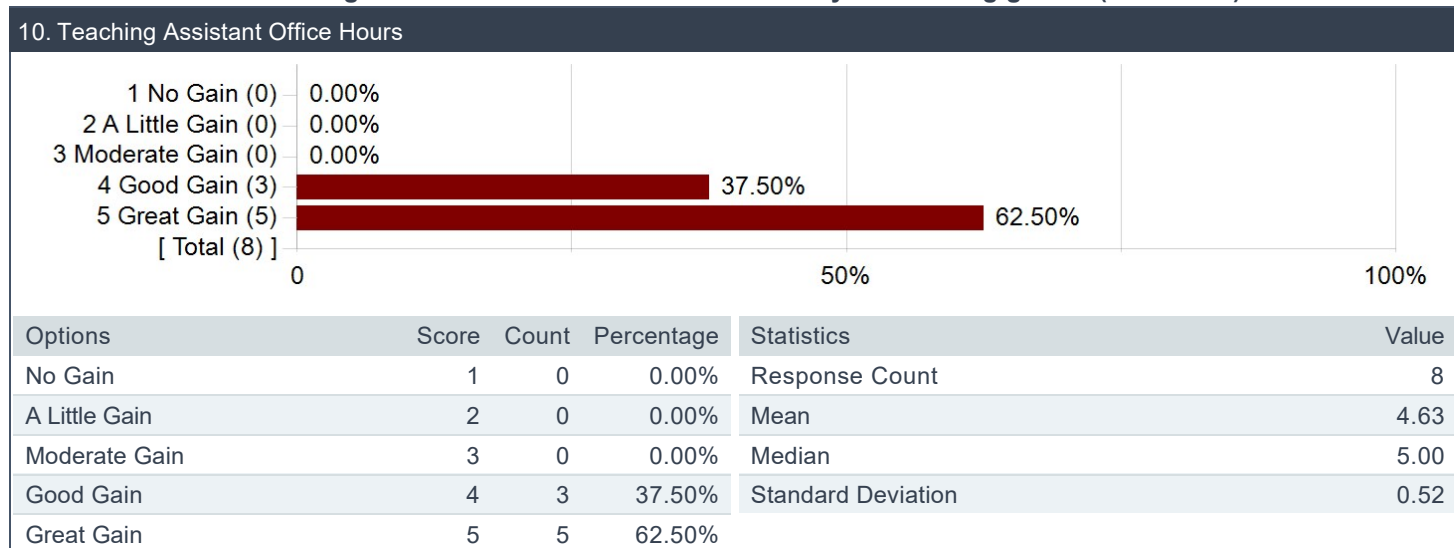
Options	Score	Count	Percentage	Statistics	Value
No Gain	1	0	0.00%	Response Count	11
A Little Gain	2	0	0.00%	Mean	4.55
Moderate Gain	3	0	0.00%	Median	5.00
Good Gain	4	5	45.45%	Standard Deviation	0.52
Great Gain	5	6	54.55%		

9. Faculty Office Hours



Options	Score	Count	Percentage	Statistics	Value
No Gain	1	0	0.00%	Response Count	9
A Little Gain	2	0	0.00%	Mean	4.67
Moderate Gain	3	0	0.00%	Median	5.00
Good Gain	4	3	33.33%	Standard Deviation	0.50
Great Gain	5	6	66.67%		

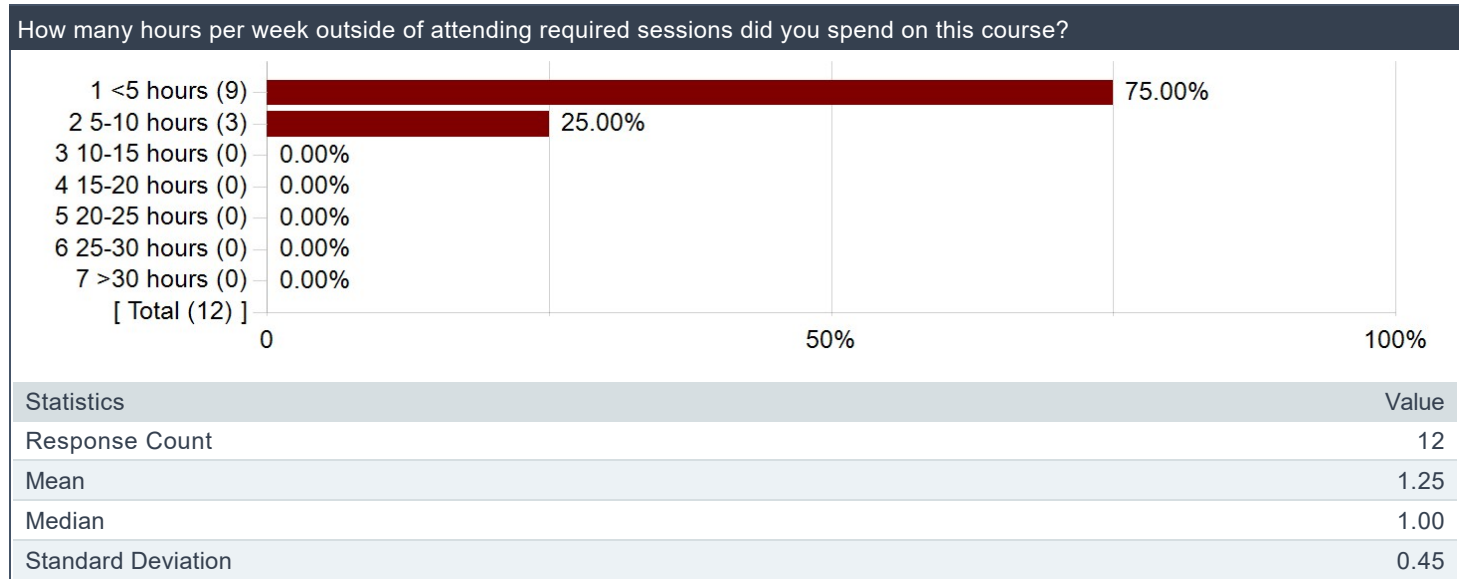
How much did the following elements of the course contribute to your learning gains? (continued)



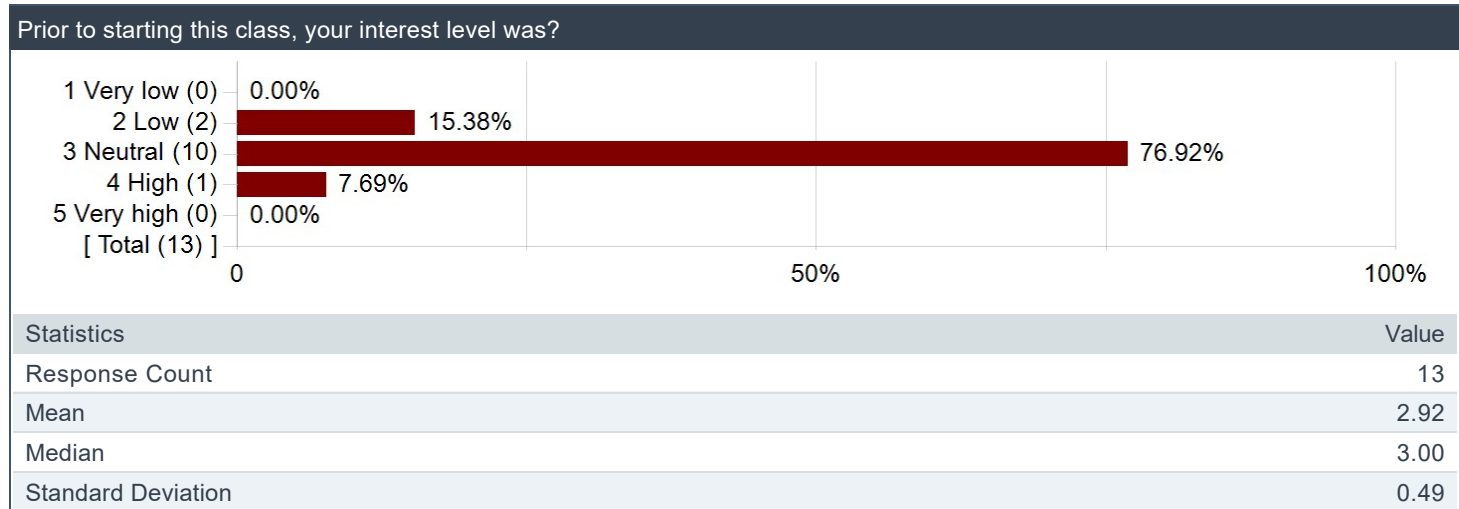
What was the most important thing (to you) that you learned in this course? What aspect of the material is still unclear for you, that you wish you could have learned better?

Comments
microbes, antibiotics, illnesses
I can do serial dilutions perfectly now. I wish we could have spent more time on the material for the second quiz because it felt like it was very cramped compared to the other 3.
Learned about antibiotic resistance, and topics adjacent to that (immune system, cell cycle)
I think learning about the connections between cancer and microbes and how antimicrobial resistance and inflammation can worsen cancer was important knowledge I walked away with from the course.
The most important thing I learned was about the specific infectious diseases and how they either can or cannot be treated with antibiotics. The specifics of all the cell functionings are difficult to remember and I wish I had spent more time better understanding that.
Wash your hands thoroughly and eat healthy! Microbiology is a relevant study today.
How cells develop mutations
Gained more insights on microbes and resistance.

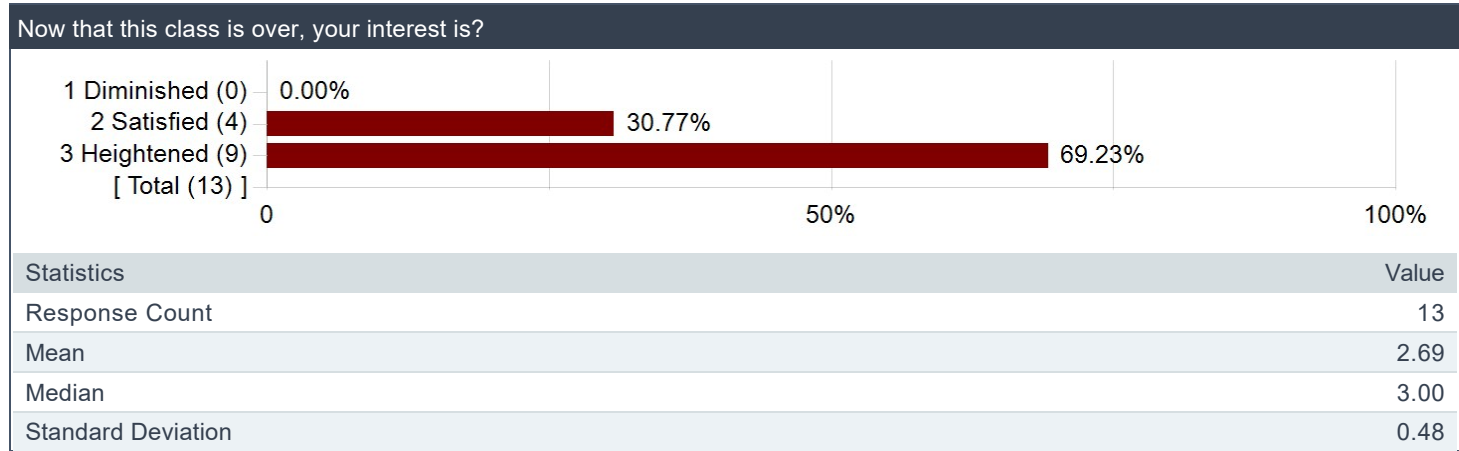
How many hours per week outside of attending required sessions did you spend on this course?



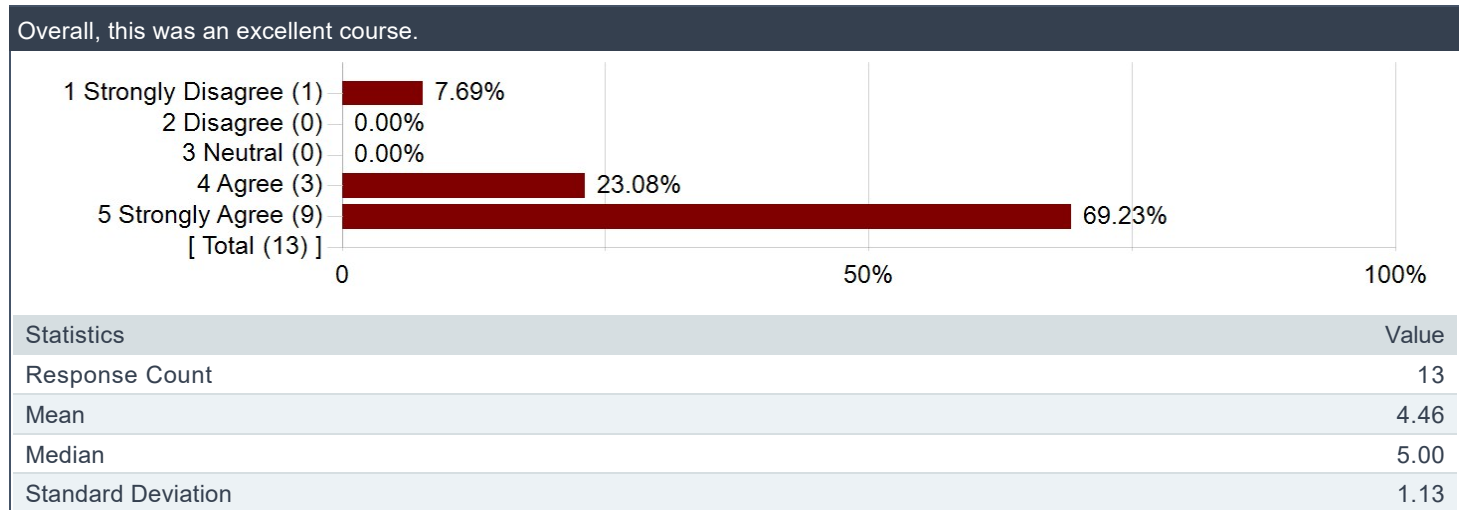
Prior to starting this class, your interest level was?



Now that this class is over, your interest is?



Overall, this was an excellent course.

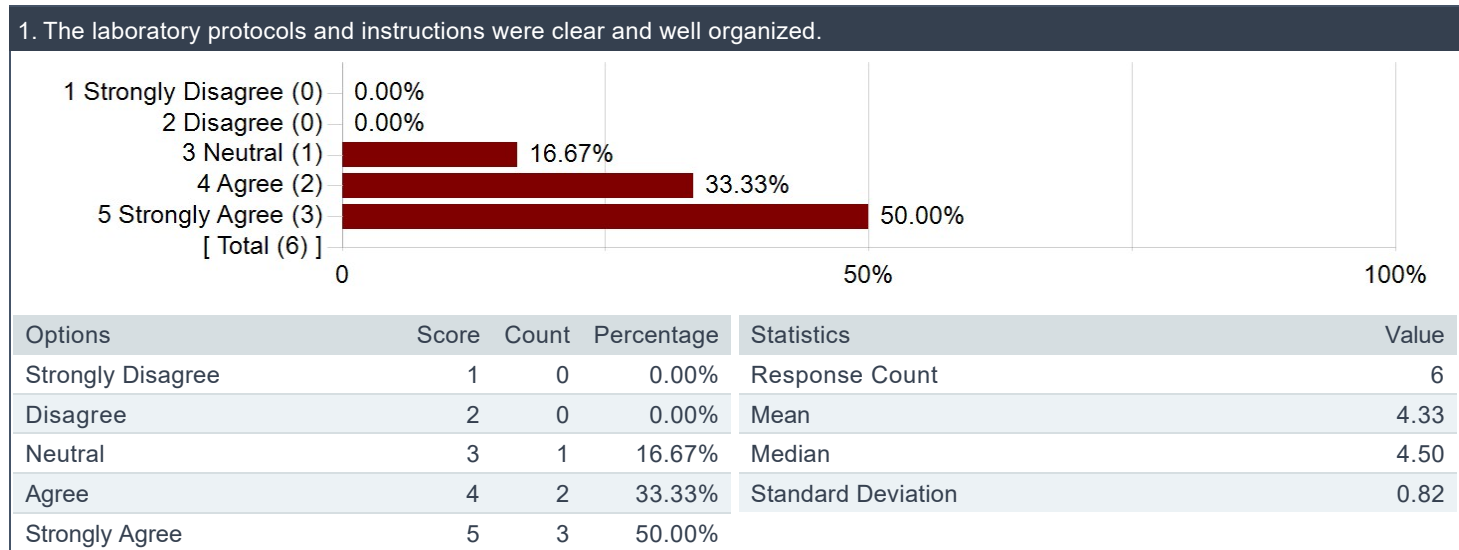


Please share any advice you have for students who are considering taking the course.

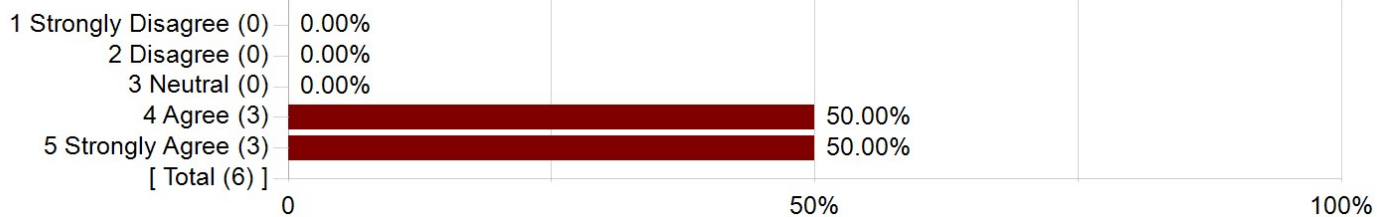
Comments
pretty interesting content, just study for the quizzes and you'll be fine
As long as you memorize the study guides and go to class you will be fine.
You'll be fine even if you've never taken biology classes before.
The most difficult part of the course is keeping up with the material, so as long as you lock in on the review guides the quizzes should be relatively easy.
Be sure to review the PowerPoints from class lectures in studying for the quiz/answering the provided study guide. All of what you need to know is provided, it is just a matter of taking advantage of it.
Great course to consider for Core Bio.
go to the TA sessions and you will do very well.

Laboratory Meetings

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

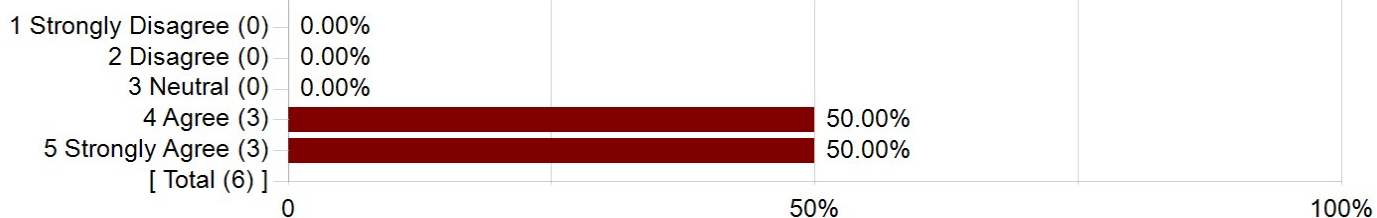


2. Materials and equipment needed for performing the exercises were readily available.



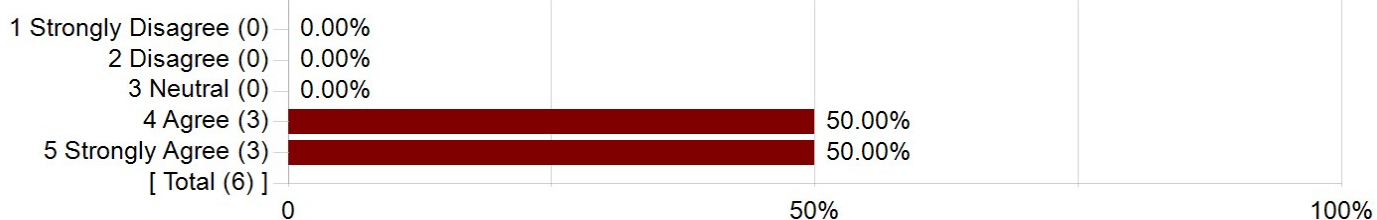
Options	Score	Count	Percentage	Statistics	Value
Strongly Disagree	1	0	0.00%	Response Count	6
Disagree	2	0	0.00%	Mean	4.50
Neutral	3	0	0.00%	Median	4.50
Agree	4	3	50.00%	Standard Deviation	0.55
Strongly Agree	5	3	50.00%		

3. The lab exercises had clear educational goals.



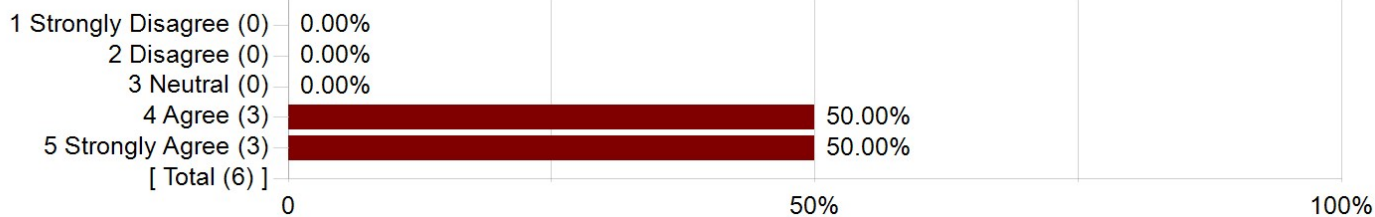
Options	Score	Count	Percentage	Statistics	Value
Strongly Disagree	1	0	0.00%	Response Count	6
Disagree	2	0	0.00%	Mean	4.50
Neutral	3	0	0.00%	Median	4.50
Agree	4	3	50.00%	Standard Deviation	0.55
Strongly Agree	5	3	50.00%		

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



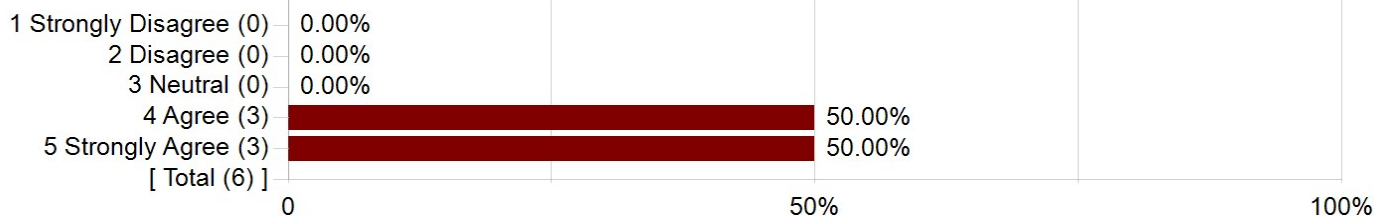
Options	Score	Count	Percentage	Statistics	Value
Strongly Disagree	1	0	0.00%	Response Count	6
Disagree	2	0	0.00%	Mean	4.50
Neutral	3	0	0.00%	Median	4.50
Agree	4	3	50.00%	Standard Deviation	0.55
Strongly Agree	5	3	50.00%		

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



Options	Score	Count	Percentage	Statistics	Value
Strongly Disagree	1	0	0.00%	Response Count	6
Disagree	2	0	0.00%	Mean	4.50
Neutral	3	0	0.00%	Median	4.50
Agree	4	3	50.00%	Standard Deviation	0.55
Strongly Agree	5	3	50.00%		

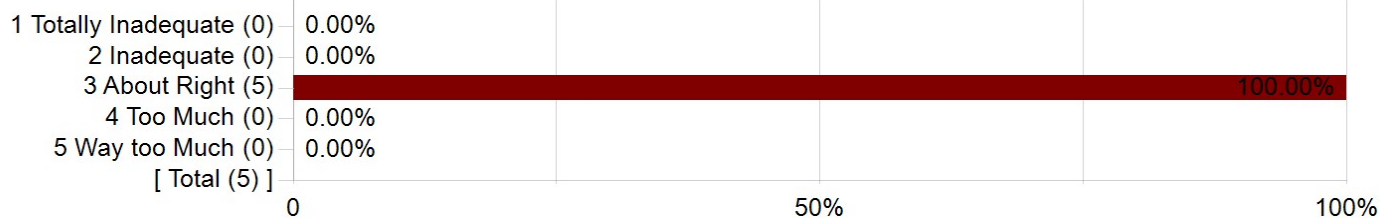
6. Overall, this was an excellent laboratory experience.



Options	Score	Count	Percentage	Statistics	Value
Strongly Disagree	1	0	0.00%	Response Count	6
Disagree	2	0	0.00%	Mean	4.50
Neutral	3	0	0.00%	Median	4.50
Agree	4	3	50.00%	Standard Deviation	0.55
Strongly Agree	5	3	50.00%		

The time allocated for completing the lab was:

The time allocated for completing the lab was:



Statistics	Value
Response Count	5
Mean	3.00
Median	3.00
Standard Deviation	0.00

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 definitely have a better grasp of how actual procedure in a lab works and how to have proper aseptic technique.
I learned about a lot of new techniques including pipetting, the Kirby–Bauer method, gram–staining, inoculating broths, isolating colonies, streaking plates, etc. All of the technical skills were fascinating and fun. I really enjoying working with E. coli and real antibiotics like penicillin. Observing bacterial growth throughout the course of the quarter was very interesting as well.