



BIOS 10140 17 - Inquiry-based Exploration of Biology - Instructor(s) - Navneet Bhasin

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

Number Enrolled: **27**

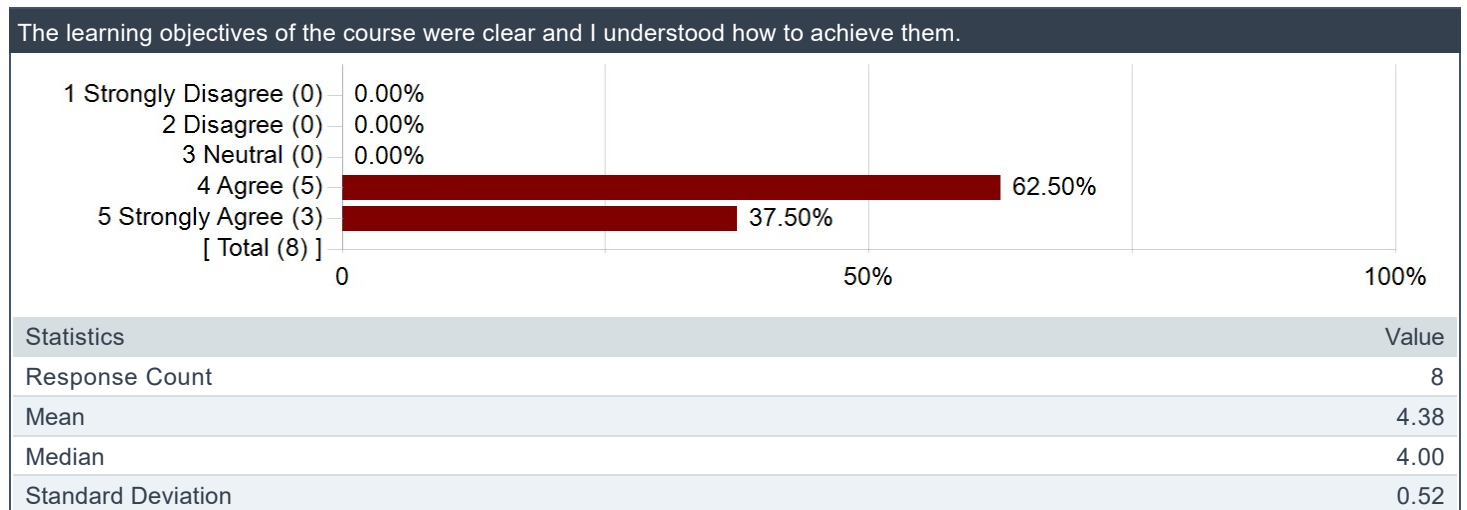
Number of Responses: **9**

Report Comments

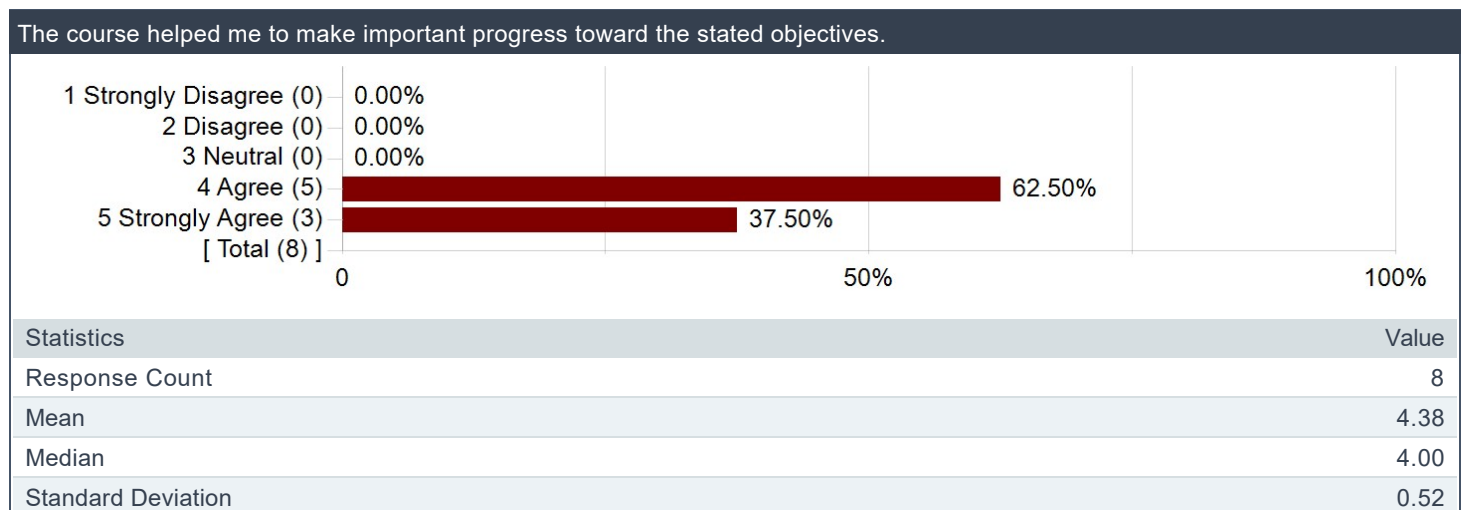
Opinions expressed in these evaluations are those of students enrolled in the specific course and do not represent the University.

Creation Date: **Thursday, July 11, 2024**

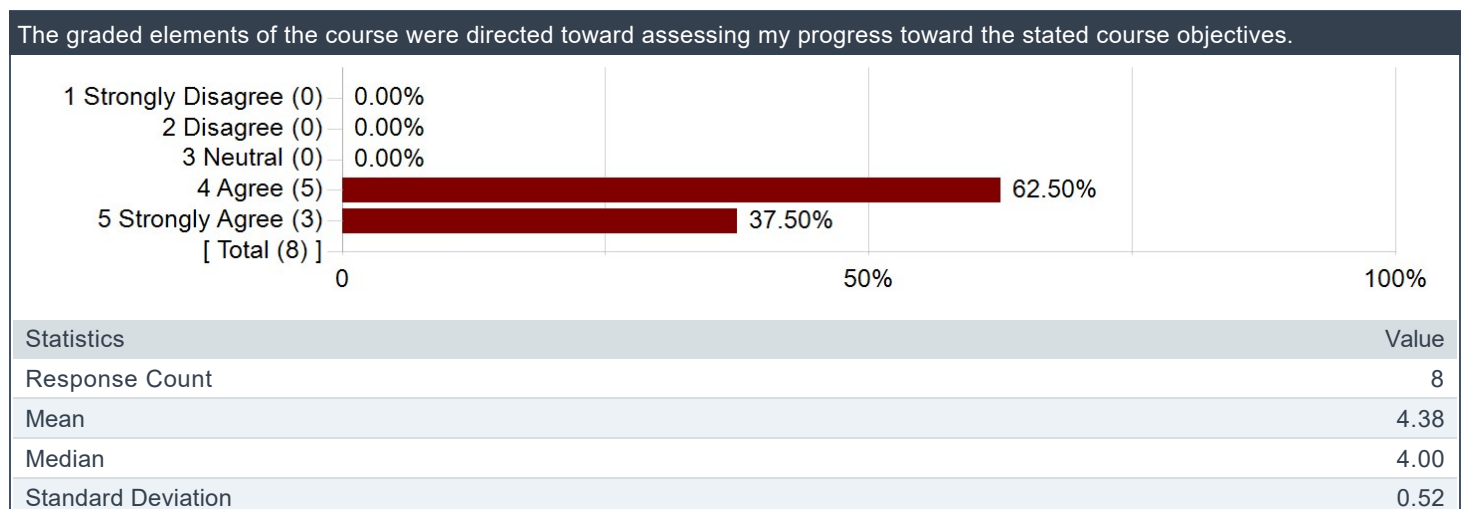
The learning objectives of the course were clear and I understood how to achieve them.



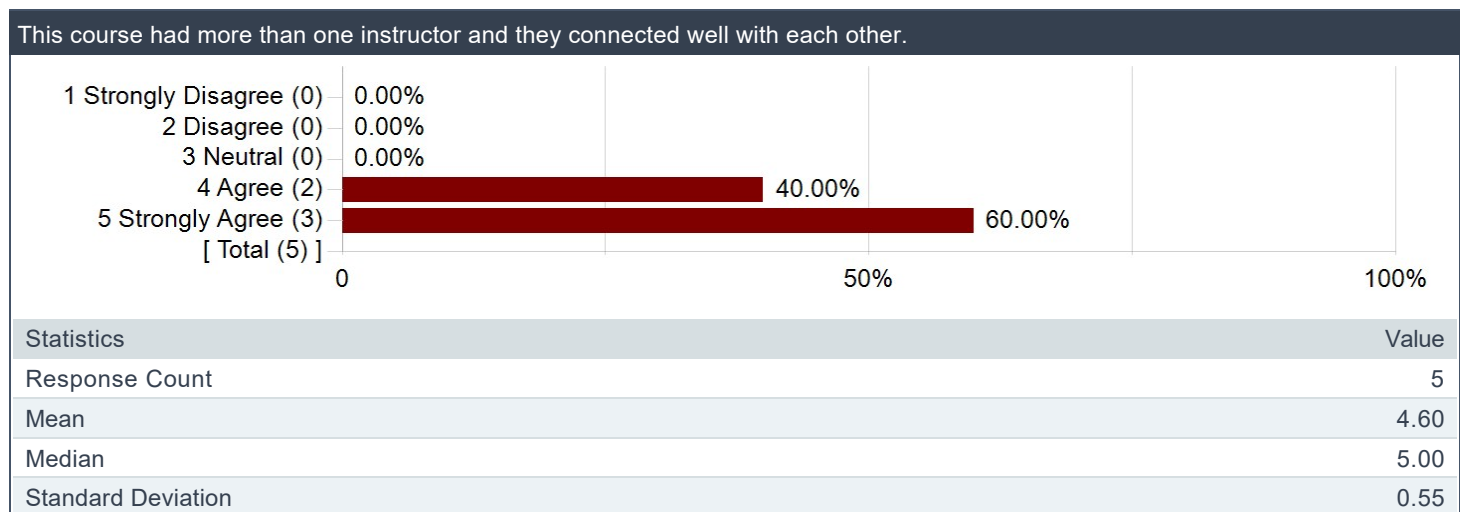
The course helped me to make important progress toward the stated objectives.



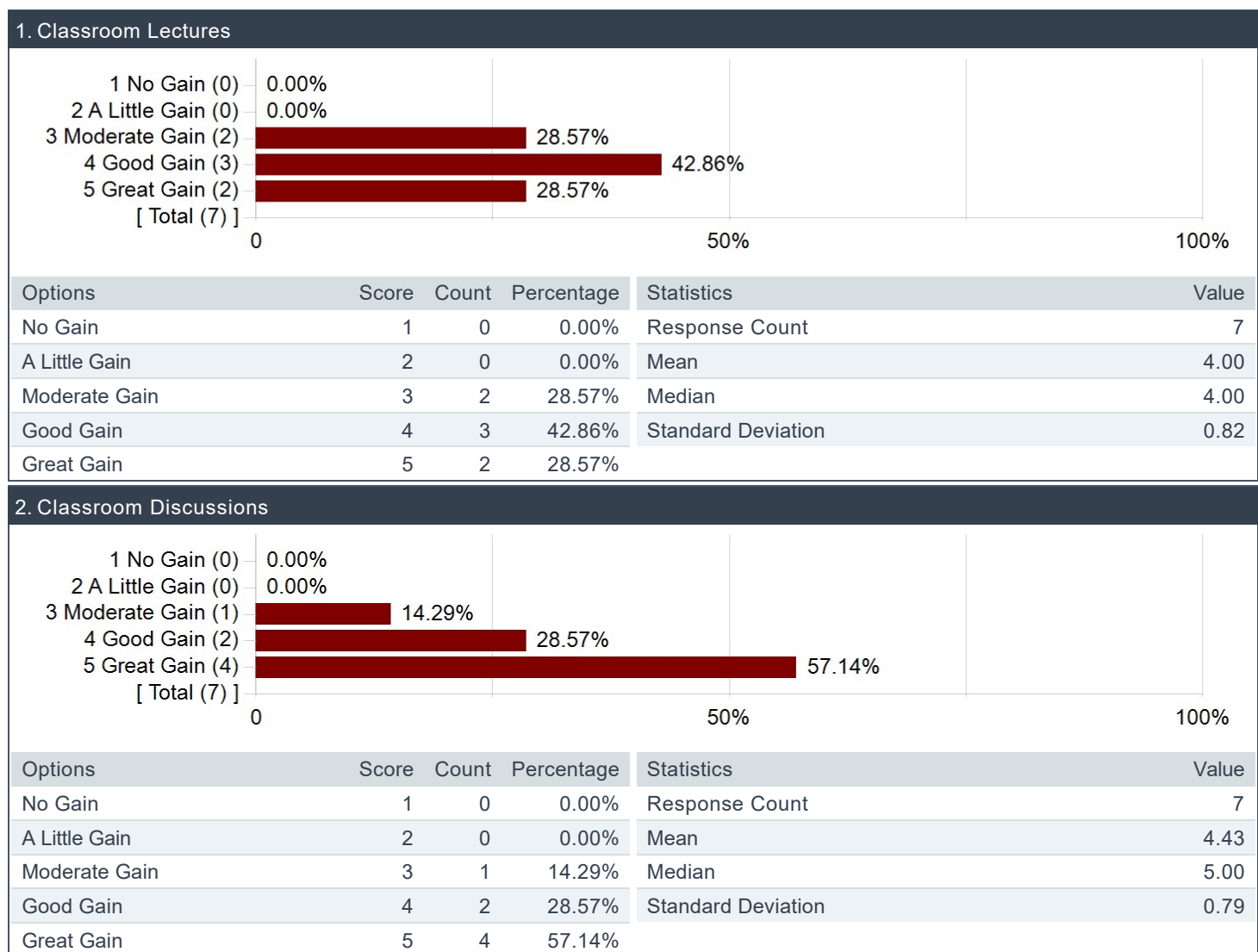
The graded elements of the course were directed toward assessing my progress toward the stated course objectives.



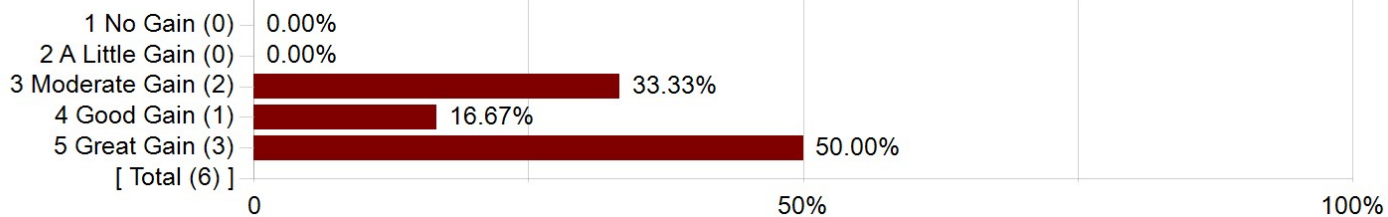
This course had more than one instructor and they connected well with each other.



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

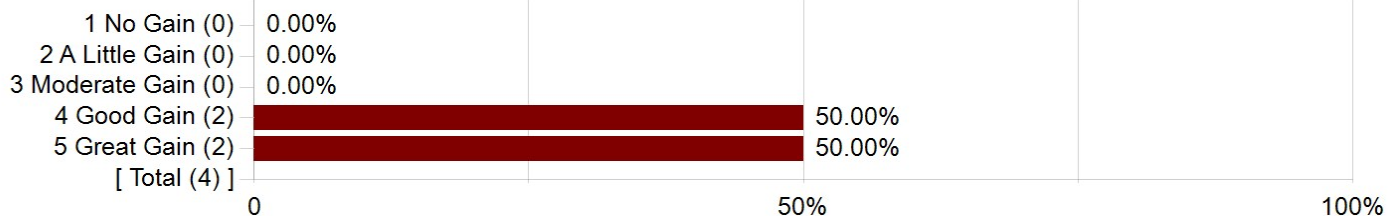


3. Assigned Readings



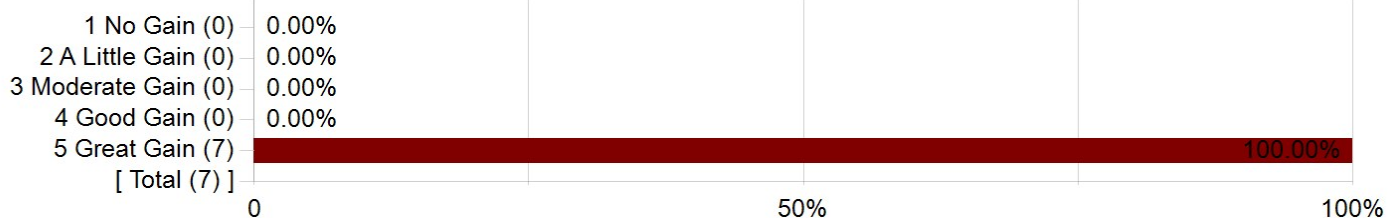
Options	Score	Count	Percentage	Statistics	Value
No Gain	1	0	0.00%	Response Count	6
A Little Gain	2	0	0.00%	Mean	4.17
Moderate Gain	3	2	33.33%	Median	4.50
Good Gain	4	1	16.67%	Standard Deviation	0.98
Great Gain	5	3	50.00%		

4. Homework Exercises



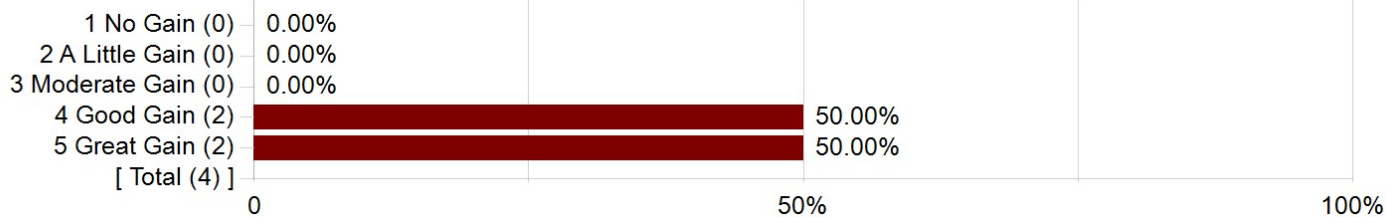
Options	Score	Count	Percentage	Statistics	Value
No Gain	1	0	0.00%	Response Count	4
A Little Gain	2	0	0.00%	Mean	4.50
Moderate Gain	3	0	0.00%	Median	4.50
Good Gain	4	2	50.00%	Standard Deviation	0.58
Great Gain	5	2	50.00%		

5. Lab Experiences



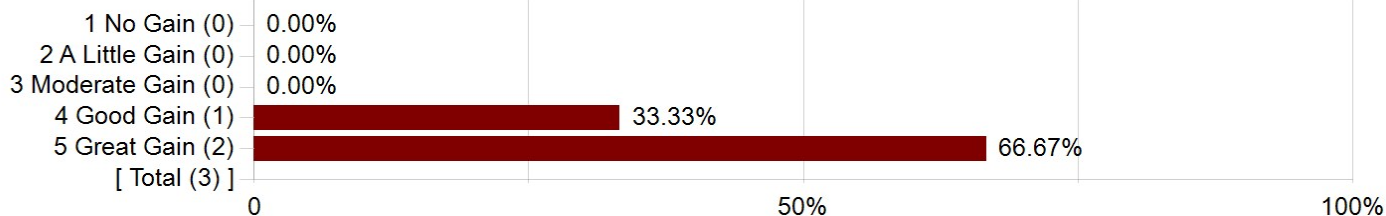
Options	Score	Count	Percentage	Statistics	Value
No Gain	1	0	0.00%	Response Count	7
A Little Gain	2	0	0.00%	Mean	5.00
Moderate Gain	3	0	0.00%	Median	5.00
Good Gain	4	0	0.00%	Standard Deviation	0.00
Great Gain	5	7	100.00%		

6. Discussion Sessions



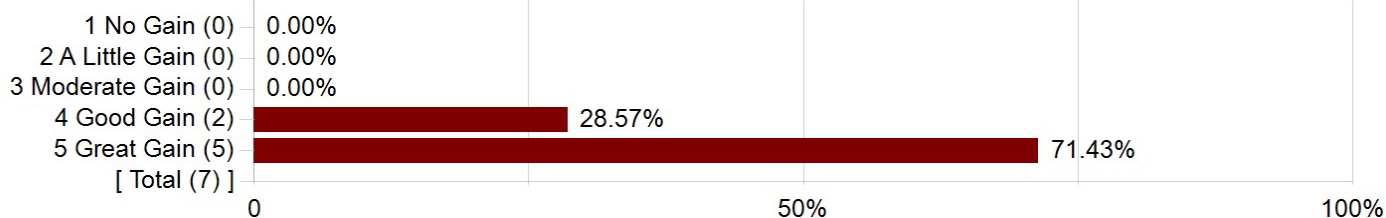
Options	Score	Count	Percentage	Statistics	Value
No Gain	1	0	0.00%	Response Count	4
A Little Gain	2	0	0.00%	Mean	4.50
Moderate Gain	3	0	0.00%	Median	4.50
Good Gain	4	2	50.00%	Standard Deviation	0.58
Great Gain	5	2	50.00%		

7. Review Sessions



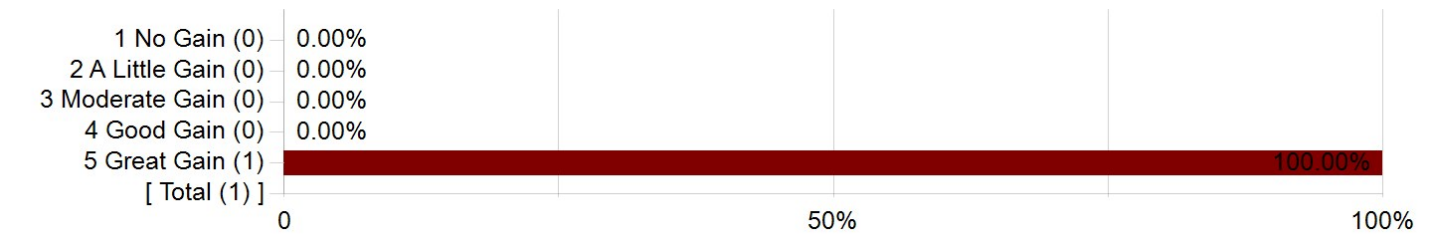
Options	Score	Count	Percentage	Statistics	Value
No Gain	1	0	0.00%	Response Count	3
A Little Gain	2	0	0.00%	Mean	4.67
Moderate Gain	3	0	0.00%	Median	5.00
Good Gain	4	1	33.33%	Standard Deviation	0.58
Great Gain	5	2	66.67%		

8. Interactions with Other Students



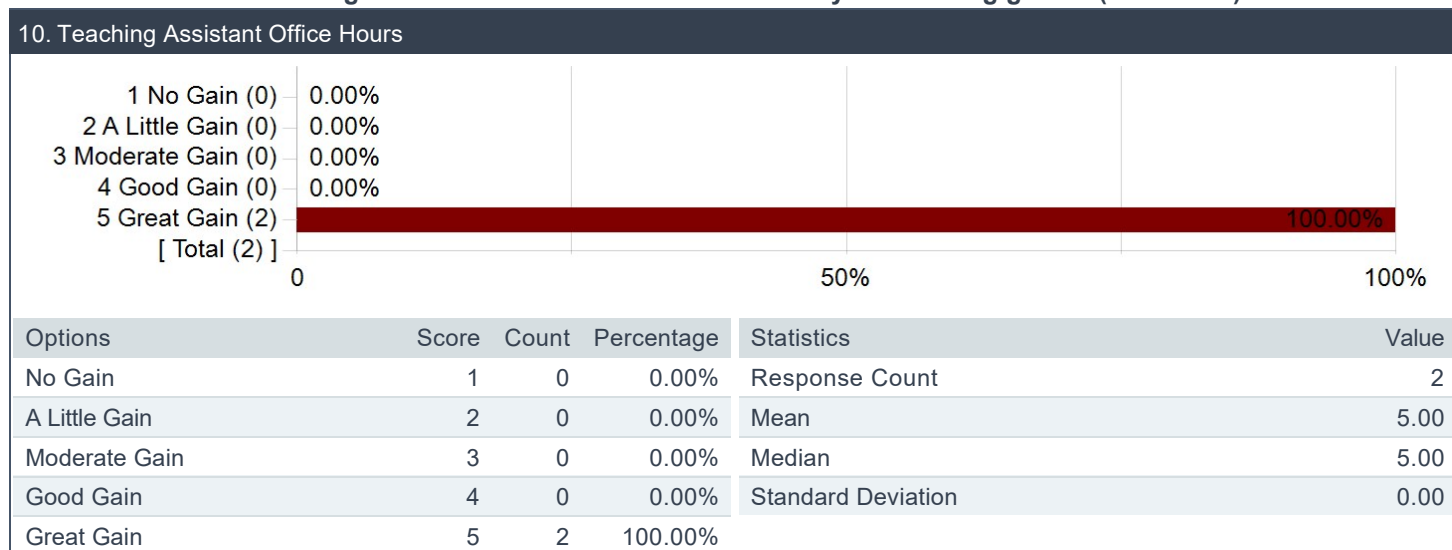
Options	Score	Count	Percentage	Statistics	Value
No Gain	1	0	0.00%	Response Count	7
A Little Gain	2	0	0.00%	Mean	4.71
Moderate Gain	3	0	0.00%	Median	5.00
Good Gain	4	2	28.57%	Standard Deviation	0.49
Great Gain	5	5	71.43%		

9. Faculty Office Hours



Options	Score	Count	Percentage	Statistics	Value
No Gain	1	0	0.00%	Response Count	1
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	N/A
Great Gain	5	1	100.00%		

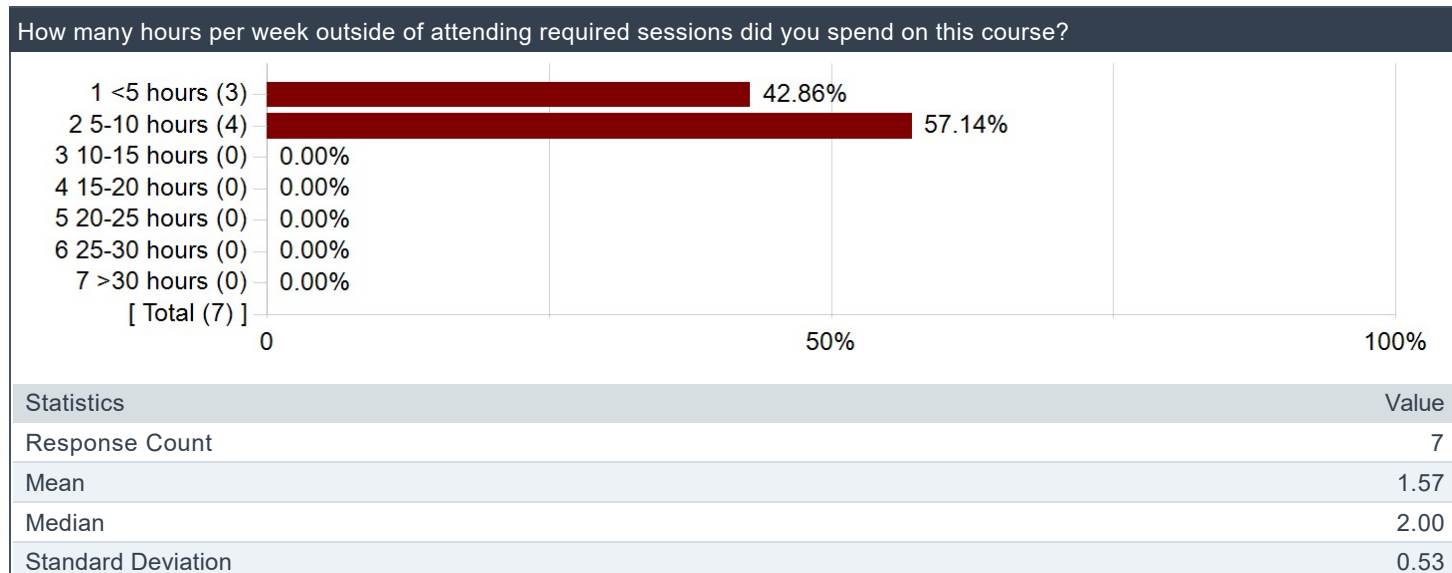
How much did the following elements of the course contribute to your learning gains? (continued)



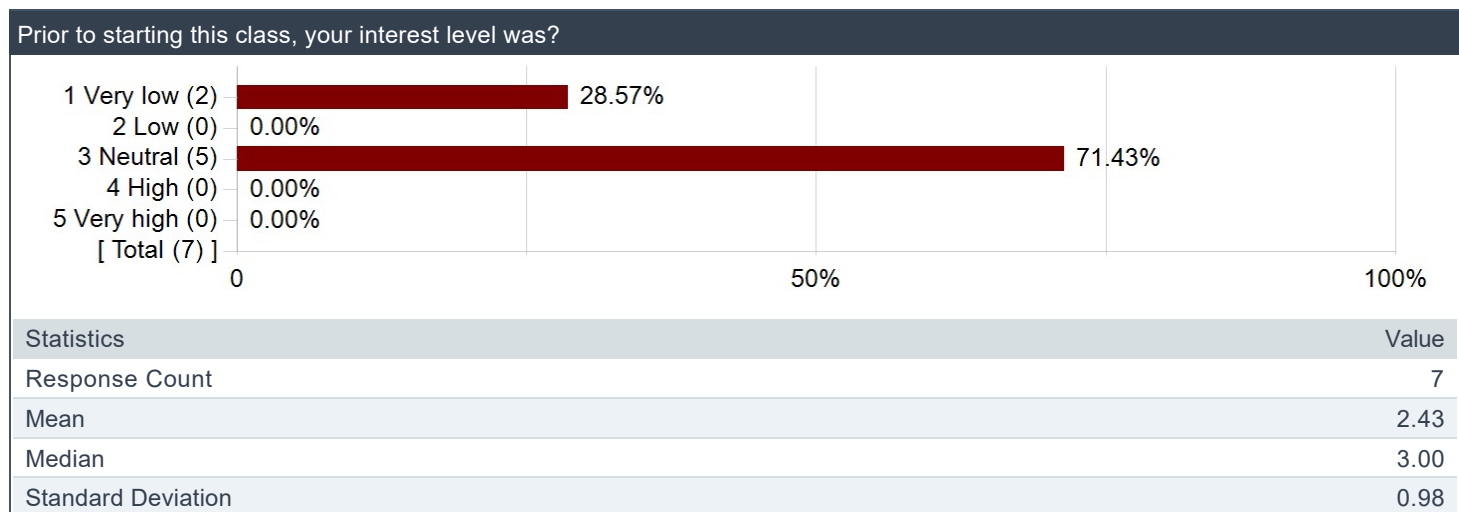
What was the most important thing (to you) that you learned in this course? What aspect of the material is still unclear for you, that you wish you could have learned better?

Comments
I learned how to research and got experience writing research papers, even though all the papers I wrote were awful... All of the material was super clear, I just wish I had a better grasp on how to write a research paper of a reasonable length. Writing two research papers was incredibly great practice though.
Understanding the importance of microbiomes and how they can affect our health. I find this field to be extremely interesting because of the broader implications and I am excited to see where this leads, A bit of DNA replication is still unclear to me.
Microbiomes, how to conduct experiments, write lab reports
I hated bio coming into this course so I had really low expectations but I actually really enjoyed this class. Which we had a model lab report to look at before we wrote ours
the most important thing that I learned was how to better culture cells because I can apply that to my own research. Nothing about the material is unclear to me as I understand it.

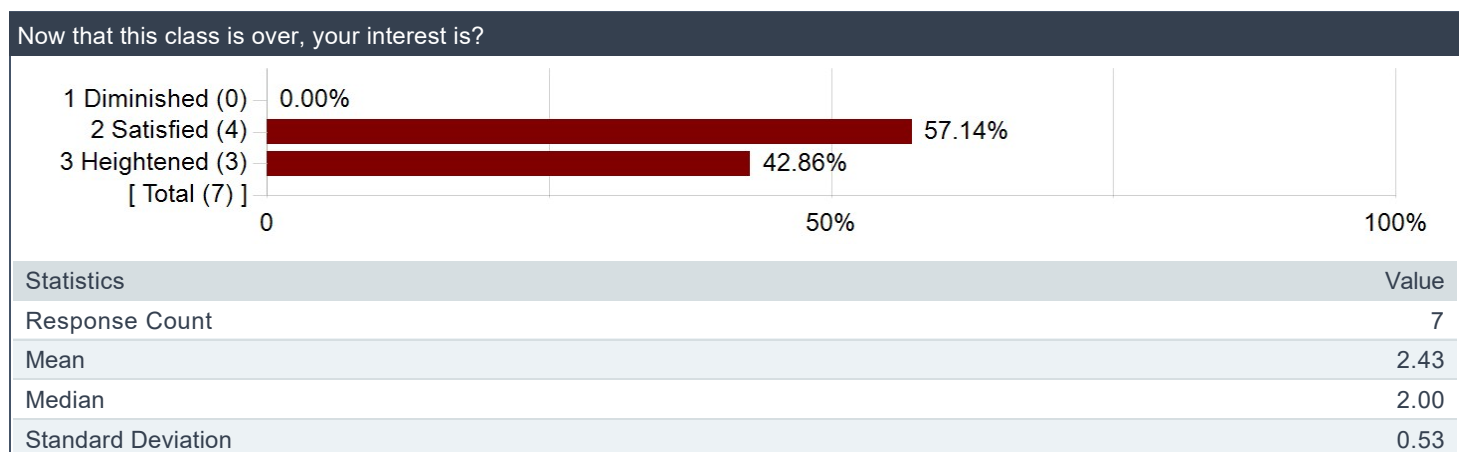
How many hours per week outside of attending required sessions did you spend on this course?



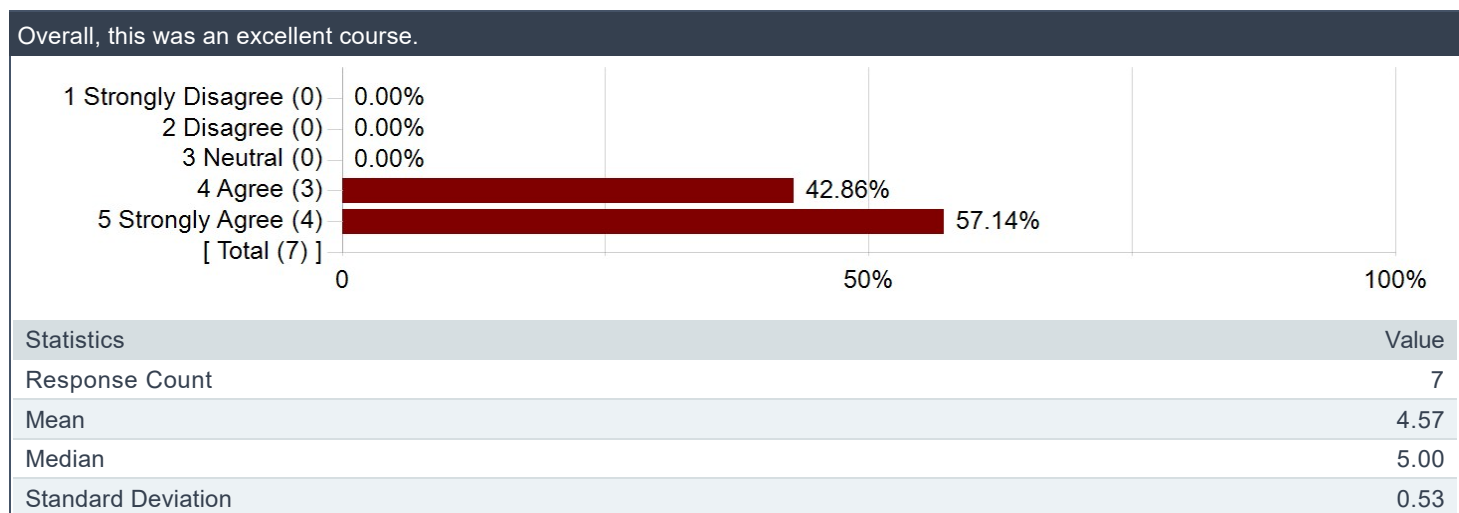
Prior to starting this class, your interest level was?



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.

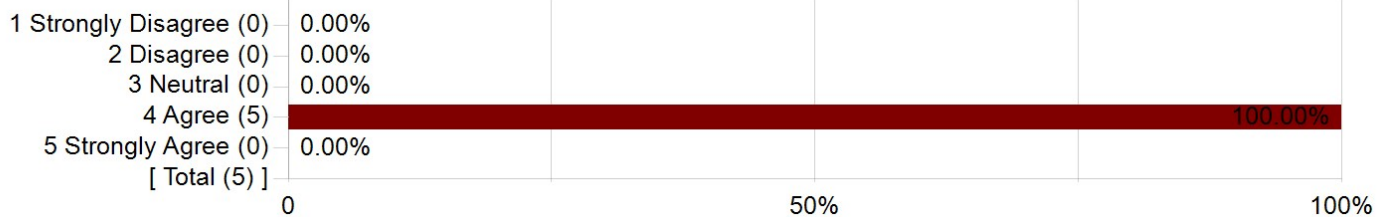
Comments
Take it with Professor Bhasin! Also, pay attention to the topic when you sign up for Inquiry-based Biology; I did not expect it to have such a profound impact on the course. For reference, every single discussion in this class was focused on the class topic: microbiomes.
The start may be a little daunting at first if you have little to no biology experience but once the class begins to build momentum it becomes very enjoyable.
Go to office hours before submitting lab reports
Take this with Dr. Bhasin. It can be a little annoying at times but the course is great
Definitely a solid core biology course that isn't too difficult, but is nevertheless intellectually stimulating.

Laboratory Meetings

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

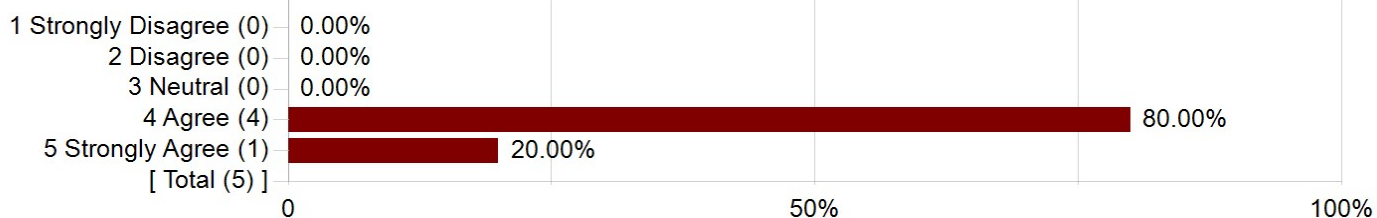
1. The laboratory protocols and instructions were clear and well organized.					
1 Strongly Disagree (0)	0.00%				
2 Disagree (1)	20.00%				
3 Neutral (0)	0.00%				
4 Agree (4)	80.00%				
5 Strongly Agree (0)	0.00%				
[Total (5)]					
0			50%		100%
Options	Score	Count	Percentage	Statistics	Value
Strongly Disagree	1	0	0.00%	Response Count	5
Disagree	2	1	20.00%	Mean	3.60
Neutral	3	0	0.00%	Median	4.00
Agree	4	4	80.00%	Standard Deviation	0.89
Strongly Agree	5	0	0.00%		
2. Materials and equipment needed for performing the exercises were readily available.					
1 Strongly Disagree (0)	0.00%				
2 Disagree (0)	0.00%				
3 Neutral (1)	20.00%				
4 Agree (3)	60.00%				
5 Strongly Agree (1)	20.00%				
[Total (5)]					
0			50%		100%
Options	Score	Count	Percentage	Statistics	Value
Strongly Disagree	1	0	0.00%	Response Count	5
Disagree	2	0	0.00%	Mean	4.00
Neutral	3	1	20.00%	Median	4.00
Agree	4	3	60.00%	Standard Deviation	0.71
Strongly Agree	5	1	20.00%		

3. The lab exercises had clear educational goals.



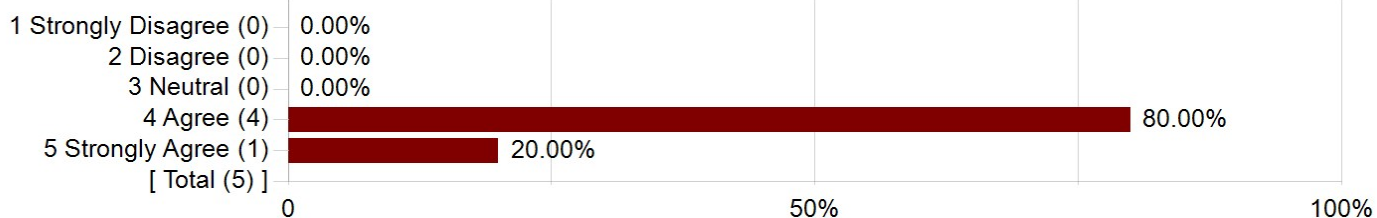
Options	Score	Count	Percentage	Statistics	Value
Strongly Disagree	1	0	0.00%	Response Count	5
Disagree	2	0	0.00%	Mean	4.00
Neutral	3	0	0.00%	Median	4.00
Agree	4	5	100.00%	Standard Deviation	0.00
Strongly Agree	5	0	0.00%		

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



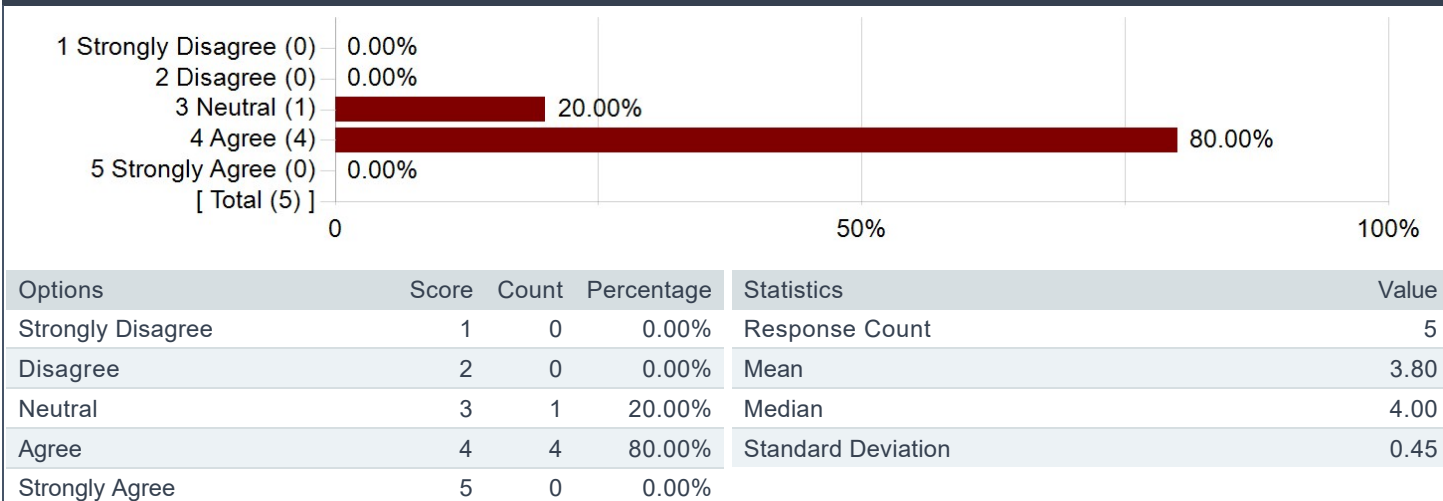
Options	Score	Count	Percentage	Statistics	Value
Strongly Disagree	1	0	0.00%	Response Count	5
Disagree	2	0	0.00%	Mean	4.20
Neutral	3	0	0.00%	Median	4.00
Agree	4	4	80.00%	Standard Deviation	0.45
Strongly Agree	5	1	20.00%		

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

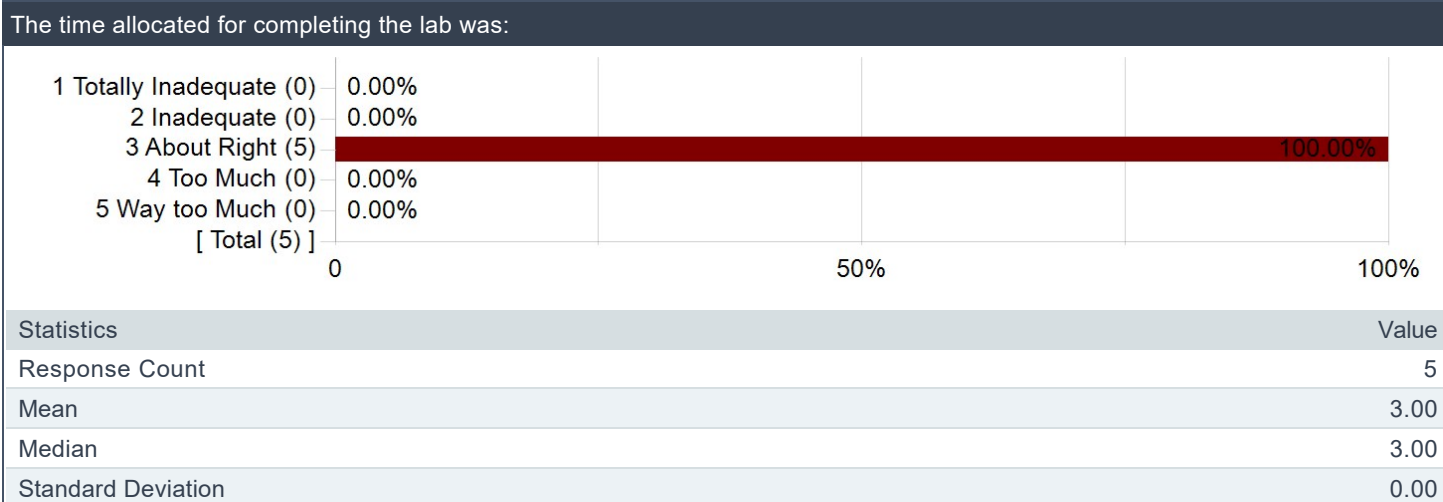


Options	Score	Count	Percentage	Statistics	Value
Strongly Disagree	1	0	0.00%	Response Count	5
Disagree	2	0	0.00%	Mean	4.20
Neutral	3	0	0.00%	Median	4.00
Agree	4	4	80.00%	Standard Deviation	0.45
Strongly Agree	5	1	20.00%		

6. Overall, this was an excellent laboratory experience.



The time allocated for completing the lab was:



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
Analytical skills from using the theory we were taught in class to create our own experiments
Inoculating bacteria, measuring, using microscopes
lab conduct, working with BSL 2 biological samples

Please share any recommendations to improve the laboratory learning experience.

Comments
Some of the equipment could be better organized to certain parts of the room perhaps so that students can know exactly where to find them every lab session.
Providing clearer instructions, sometimes we weren't told things until the middle of the experiment/afterwards which made it frustrating