



# BIOS 14117 1 - The Science and Art of Vision - Instructor(s) - Carolyn Martineau

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

Number Enrolled: **36**

Number of Responses: **15**

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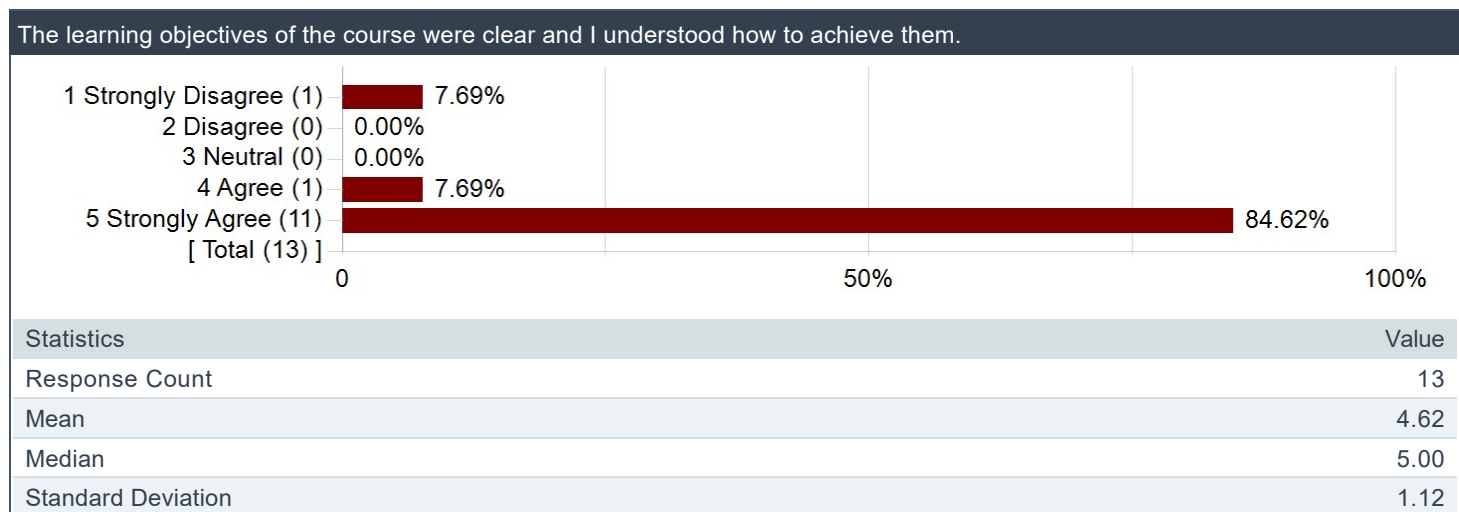
## Report Comments

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

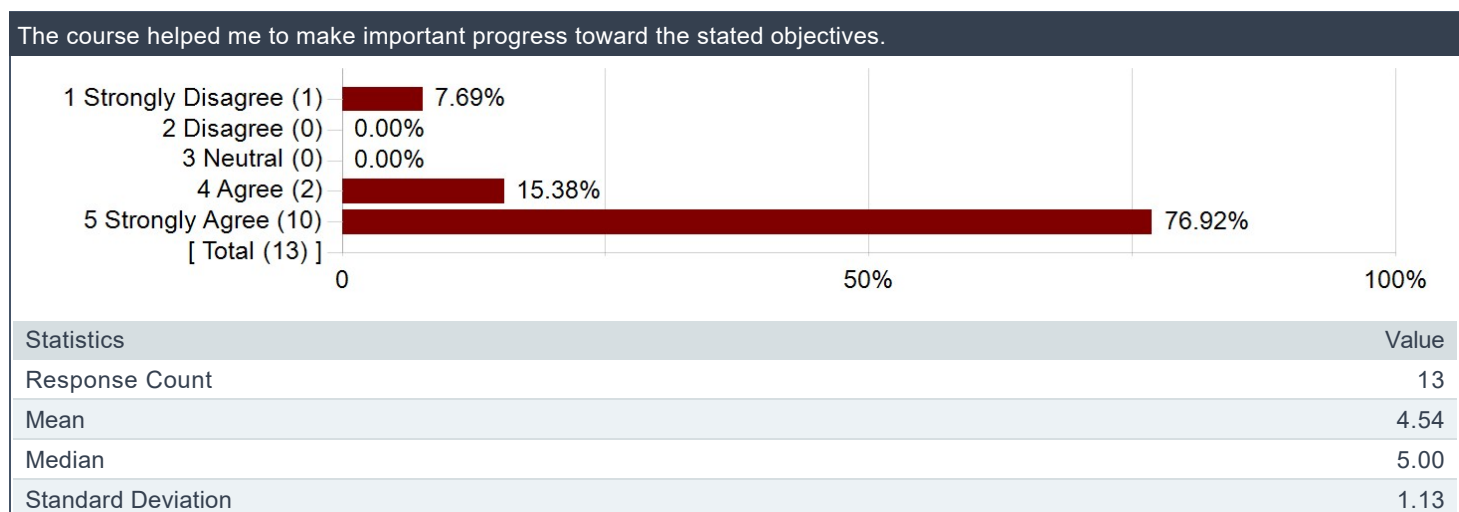
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Creation Date: **Thursday, July 11, 2024**

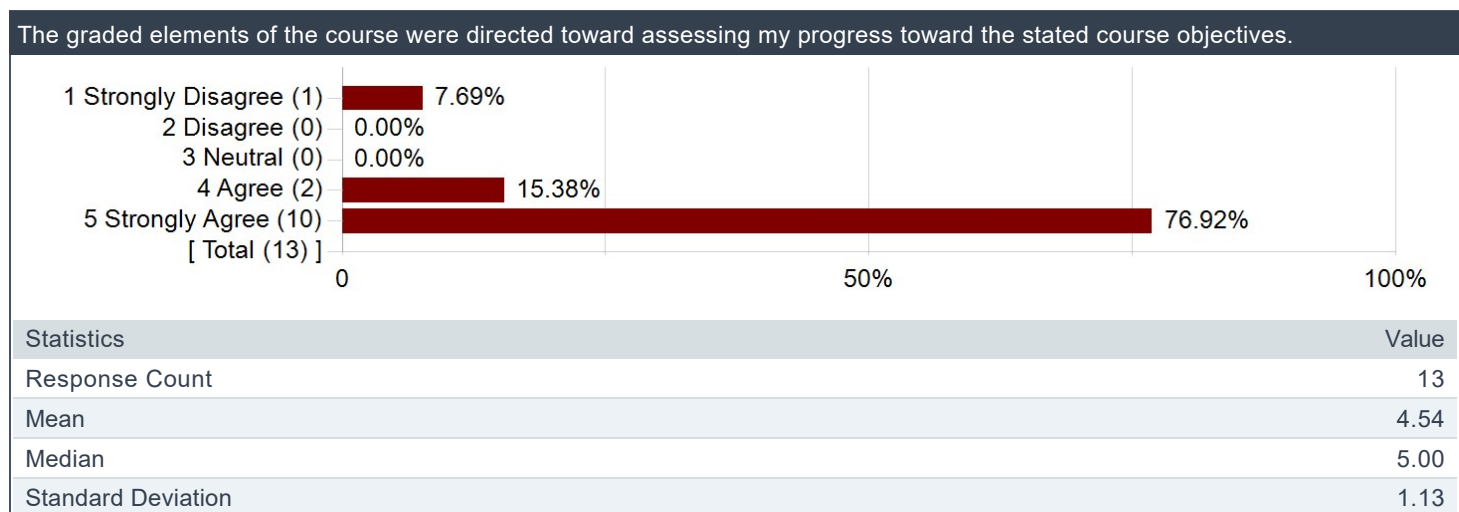
## The learning objectives of the course were clear and I understood how to achieve them.



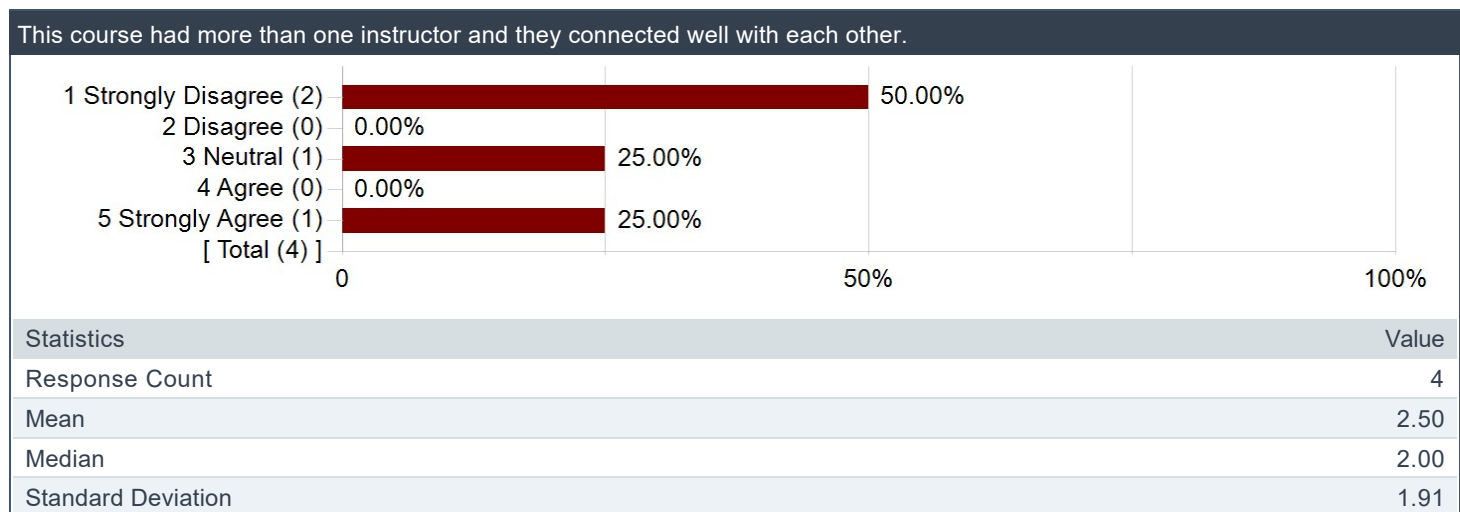
## The course helped me to make important progress toward the stated objectives.



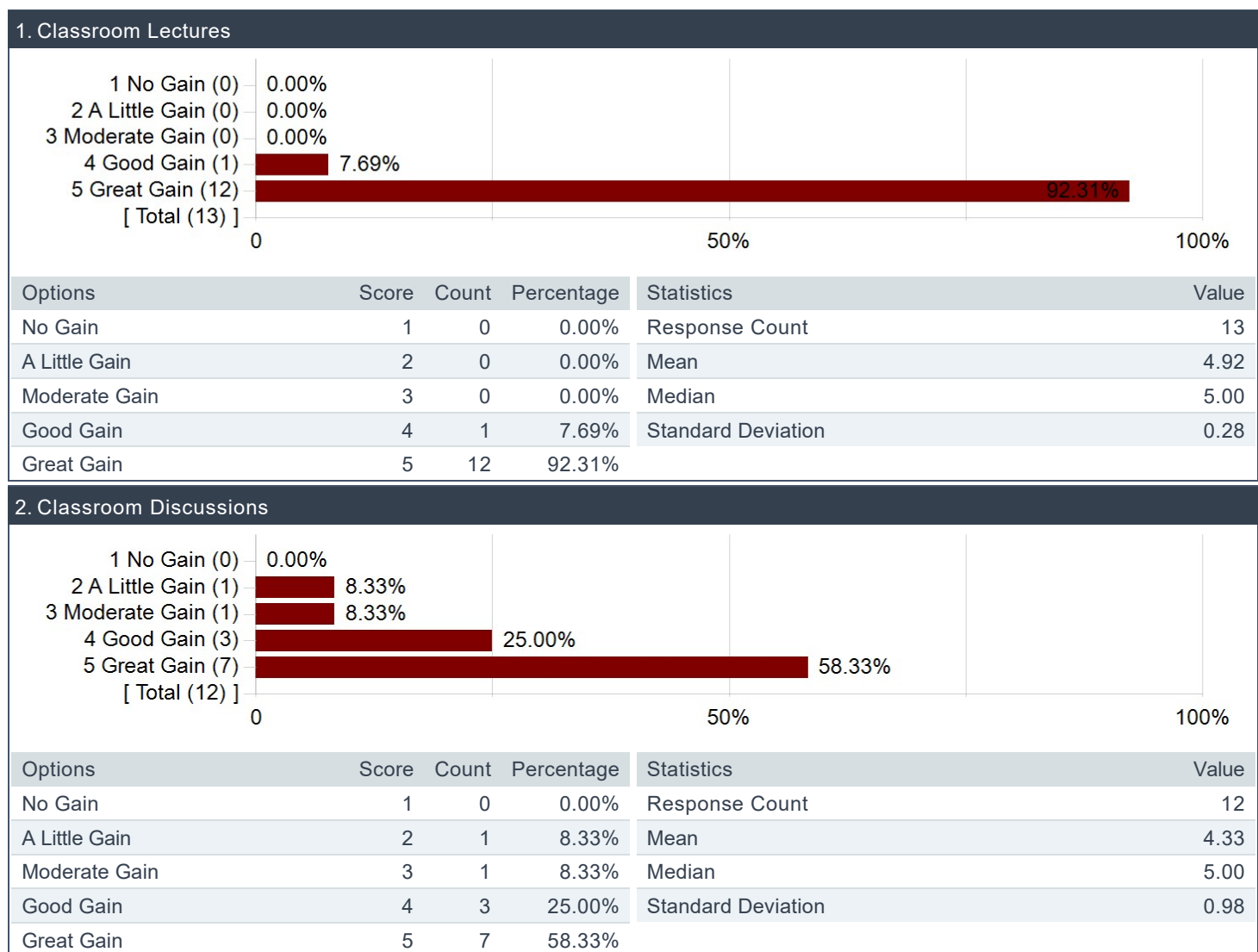
## The graded elements of the course were directed toward assessing my progress toward the stated course objectives.



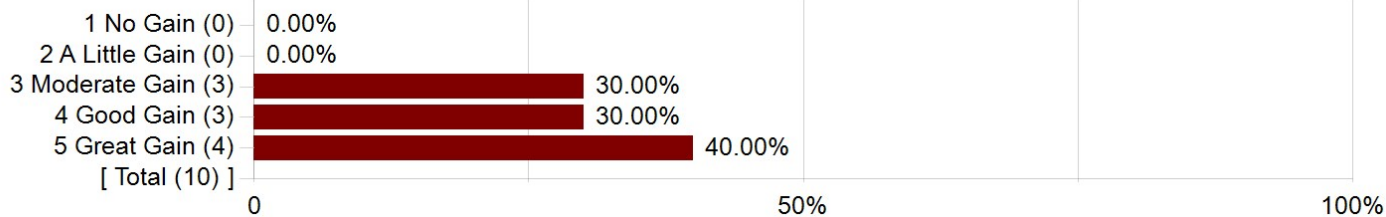
## This course had more than one instructor and they connected well with each other.



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

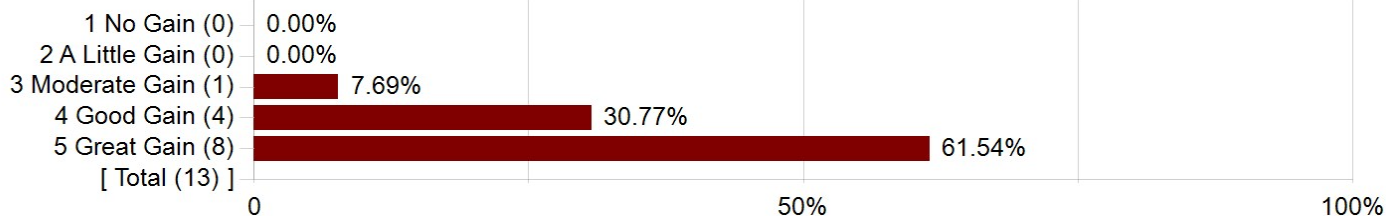


### 3. Assigned Readings



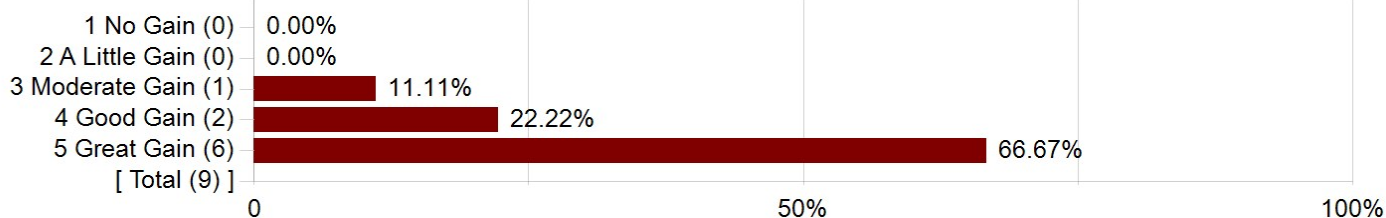
Options	Score	Count	Percentage	Statistics	Value
No Gain	1	0	0.00%	Response Count	10
A Little Gain	2	0	0.00%	Mean	4.10
Moderate Gain	3	3	30.00%	Median	4.00
Good Gain	4	3	30.00%	Standard Deviation	0.88
Great Gain	5	4	40.00%		

### 4. Homework Exercises



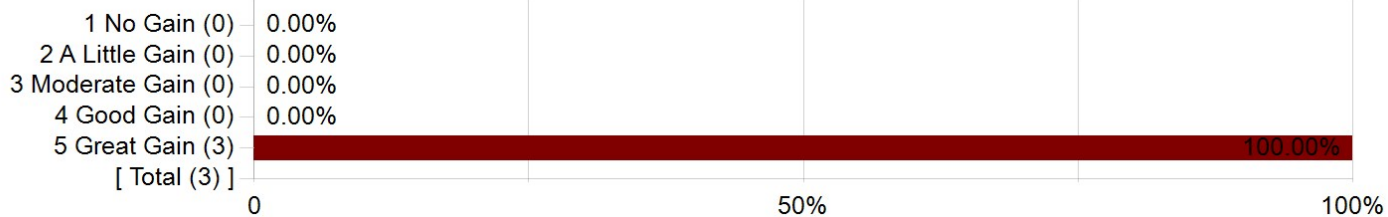
Options	Score	Count	Percentage	Statistics	Value
No Gain	1	0	0.00%	Response Count	13
A Little Gain	2	0	0.00%	Mean	4.54
Moderate Gain	3	1	7.69%	Median	5.00
Good Gain	4	4	30.77%	Standard Deviation	0.66
Great Gain	5	8	61.54%		

### 5. Lab Experiences



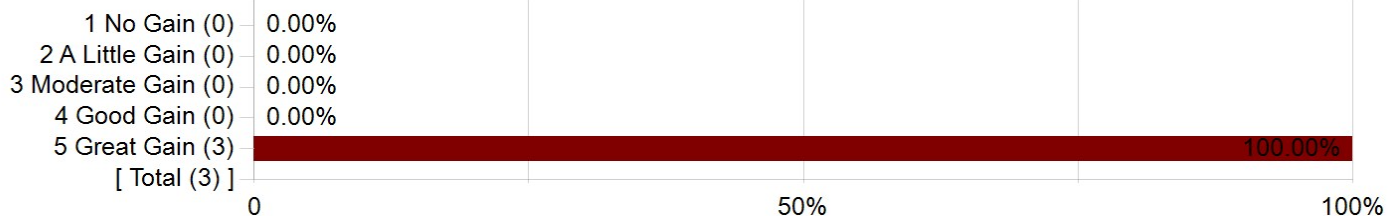
Options	Score	Count	Percentage	Statistics	Value
No Gain	1	0	0.00%	Response Count	9
A Little Gain	2	0	0.00%	Mean	4.56
Moderate Gain	3	1	11.11%	Median	5.00
Good Gain	4	2	22.22%	Standard Deviation	0.73
Great Gain	5	6	66.67%		

## 6. Discussion Sessions



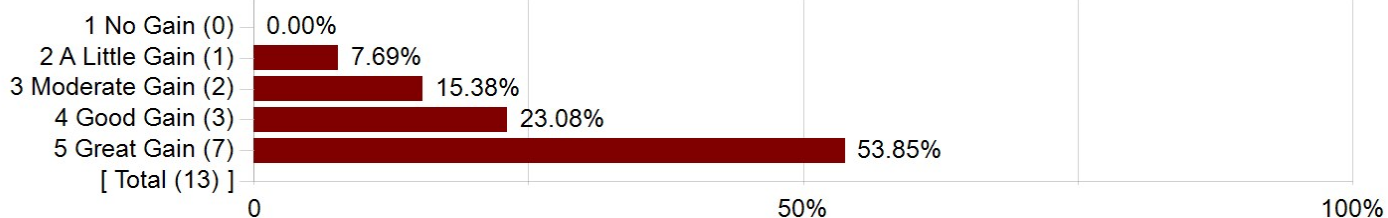
Options	Score	Count	Percentage	Statistics	Value
No Gain	1	0	0.00%	Response Count	3
A Little Gain	2	0	0.00%	Mean	5.00
Moderate Gain	3	0	0.00%	Median	5.00
Good Gain	4	0	0.00%	Standard Deviation	0.00
Great Gain	5	3	100.00%		

## 7. Review Sessions



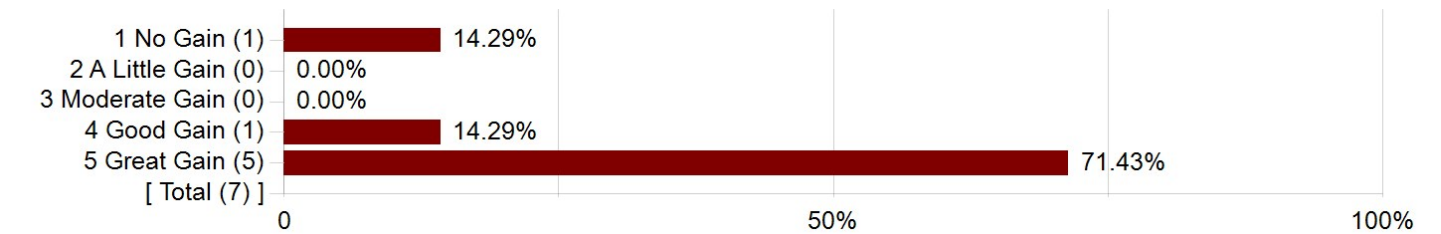
Options	Score	Count	Percentage	Statistics	Value
No Gain	1	0	0.00%	Response Count	3
A Little Gain	2	0	0.00%	Mean	5.00
Moderate Gain	3	0	0.00%	Median	5.00
Good Gain	4	0	0.00%	Standard Deviation	0.00
Great Gain	5	3	100.00%		

## 8. Interactions with Other Students



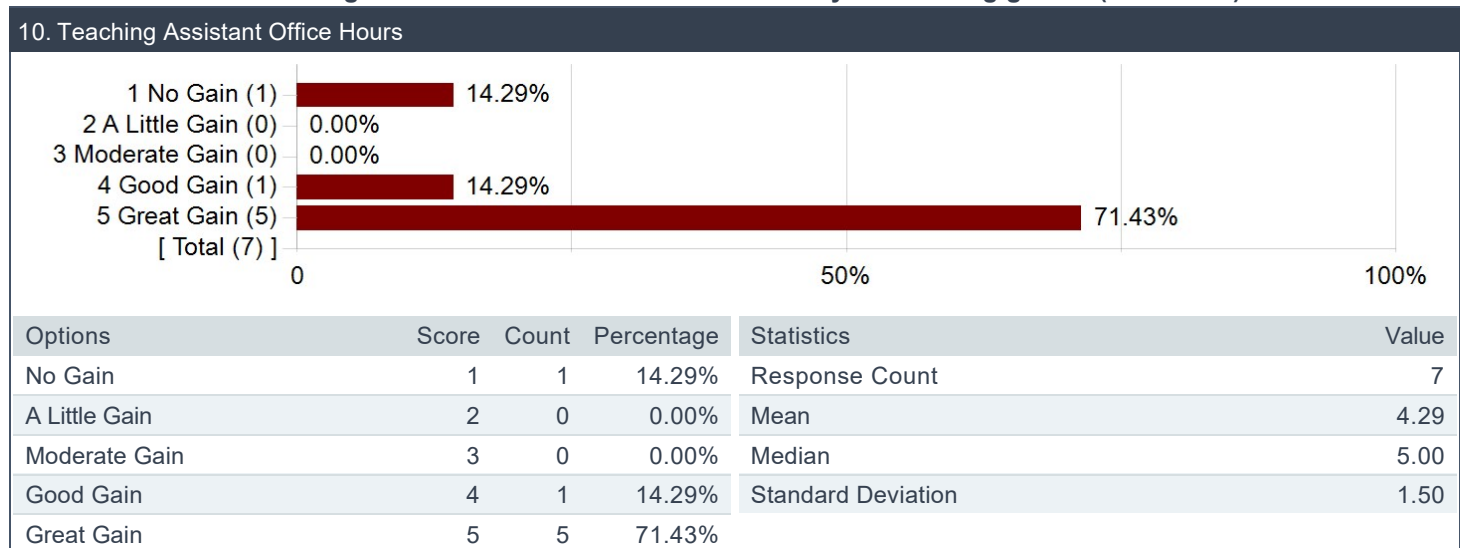
Options	Score	Count	Percentage	Statistics	Value
No Gain	1	0	0.00%	Response Count	13
A Little Gain	2	1	7.69%	Mean	4.23
Moderate Gain	3	2	15.38%	Median	5.00
Good Gain	4	3	23.08%	Standard Deviation	1.01
Great Gain	5	7	53.85%		

9. Faculty Office Hours



Options	Score	Count	Percentage	Statistics	Value
No Gain	1	1	14.29%	Response Count	7
A Little Gain	2	0	0.00%	Mean	4.29
Moderate Gain	3	0	0.00%	Median	5.00
Good Gain	4	1	14.29%	Standard Deviation	1.50
Great Gain	5	5	71.43%		

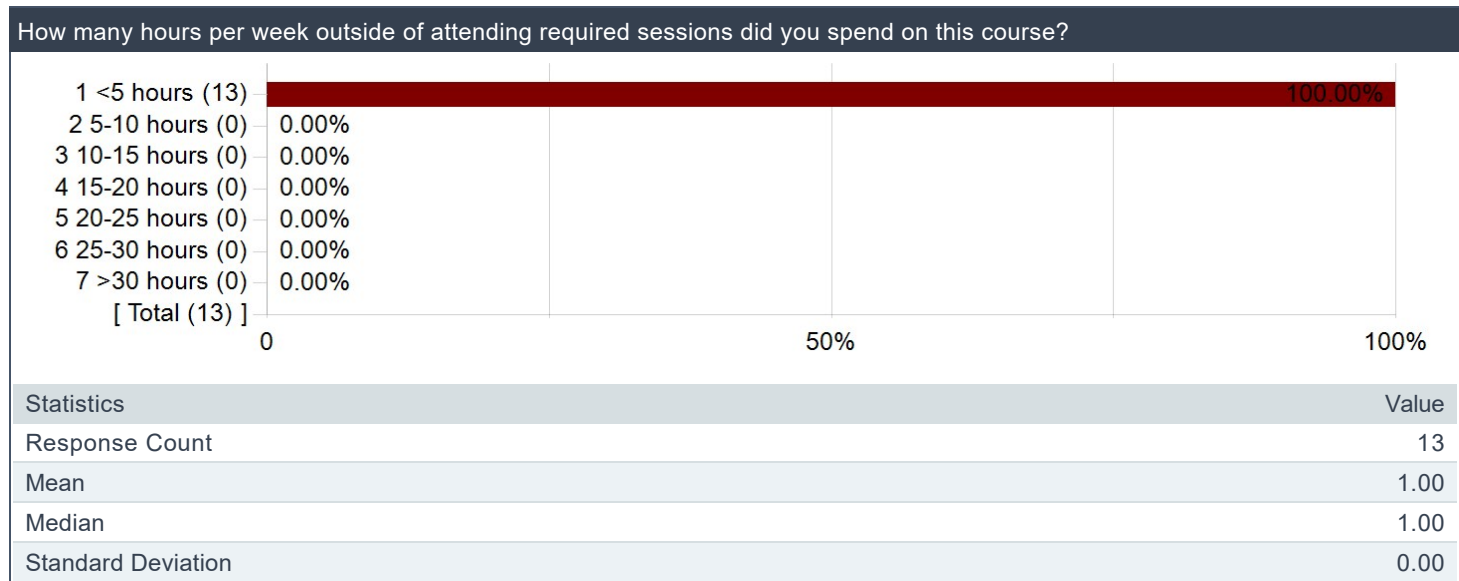
## How much did the following elements of the course contribute to your learning gains? (continued)



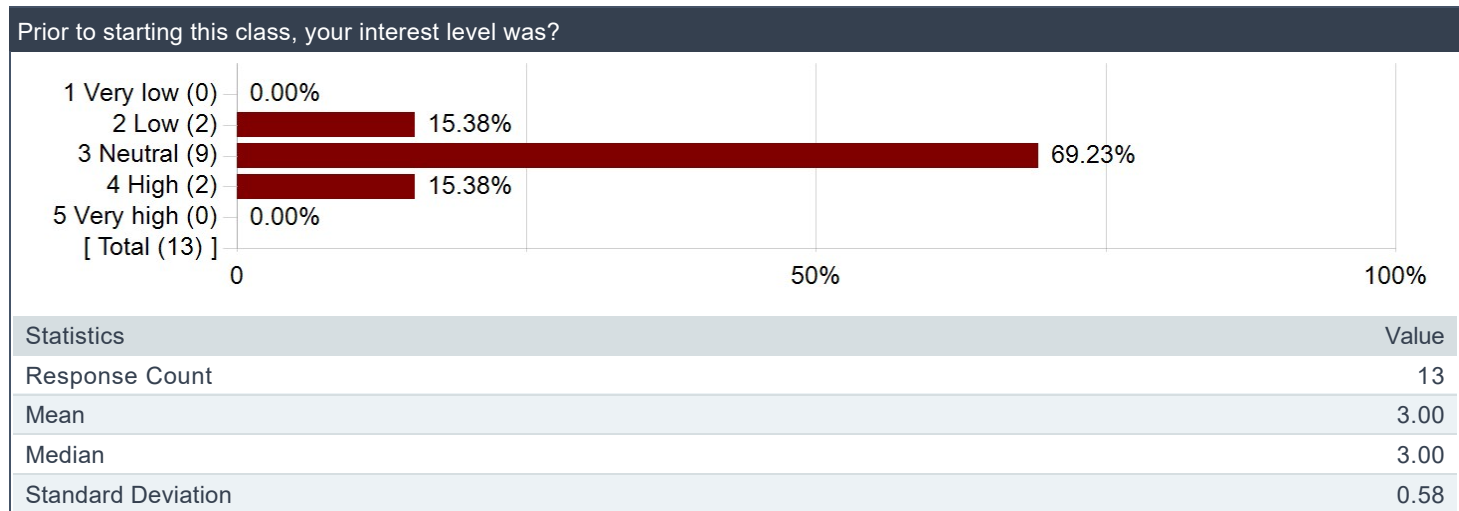
## What was the most important thing (to you) that you learned in this course? What aspect of the material is still unclear for you, that you wish you could have learned better?

Comments
I learned about how we perceive art work!
The most things we learned about in this course was how the visual system of our body functions, and how artists utilize knowledge of that visual system to create art. This includes how our rod and cone cells work, how our brains perceive motion and depth, how the ventral and dorsal streams of the brain interpret the luminance and wavelength information our eyes receive, and how different visual anomalies can impact a person's visual system (among many other topics). There was no material that was still unclear to me by the end of the course, but I wish I could have learned more about the occipital, parietal, and temporal lobes of the brain interact.
I learned more about what is actually occurring to those who have vision disorders. I found this to be quite interesting. Nothing is unclear to me at this point.
Loved learning about how different art techniques trigger different biological responses that leads to certain artistic effects and a tiny bit of art history
How the visual system functions and relates to artistic techniques and perceptions More of the specifics about the neural pathways and mechanics

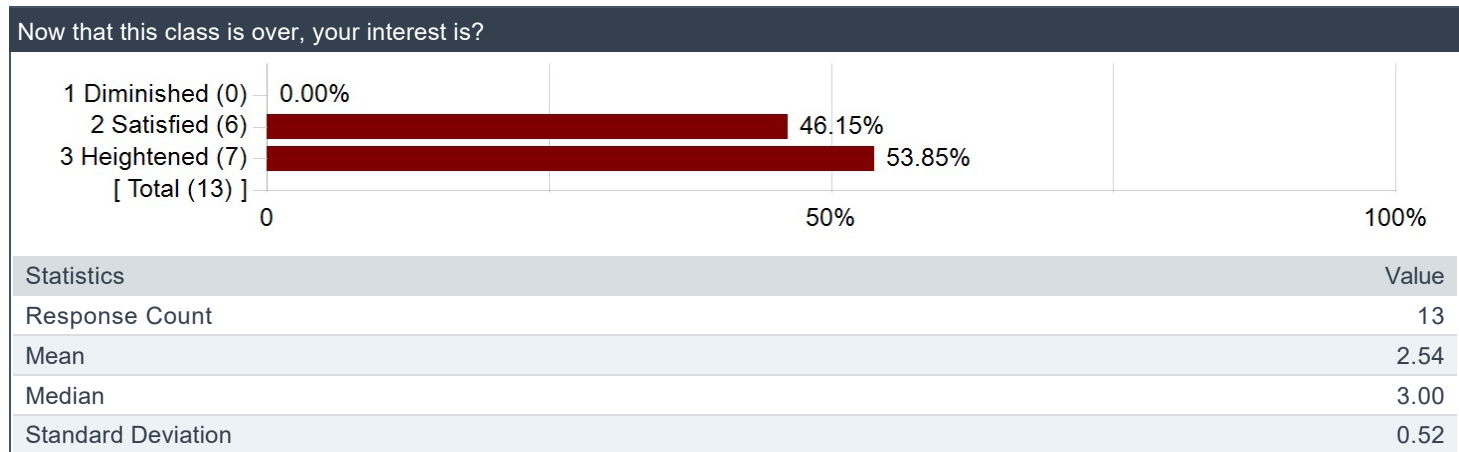
## How many hours per week outside of attending required sessions did you spend on this course?



## Prior to starting this class, your interest level was?

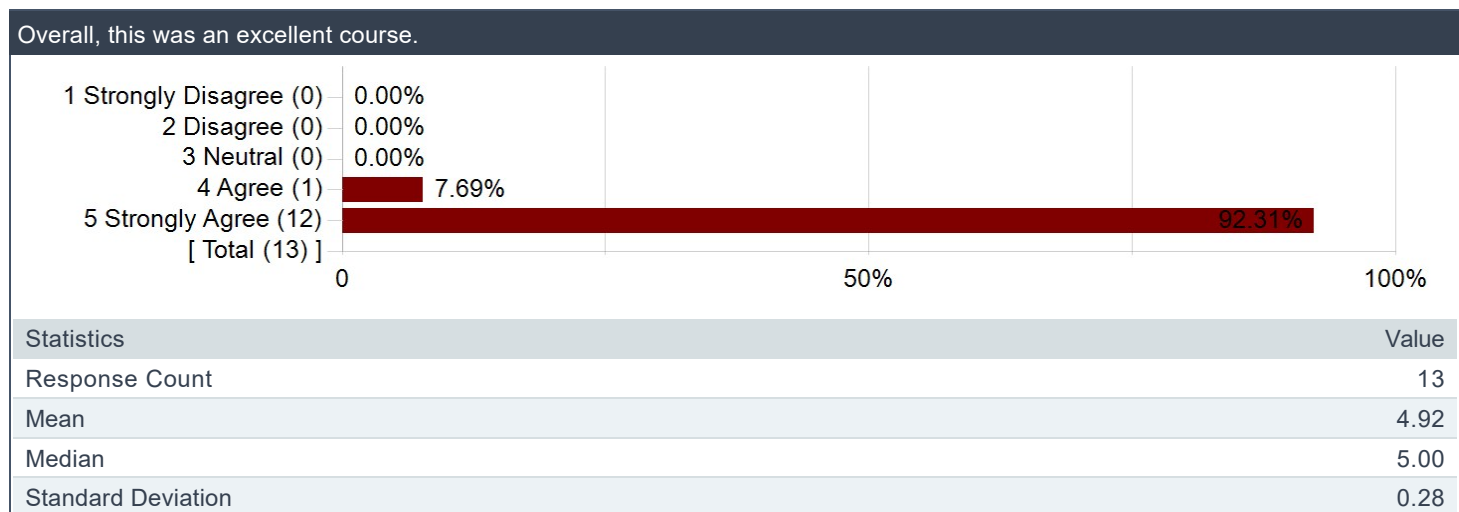


## Now that this class is over, your interest is?





## Overall, this was an excellent course.

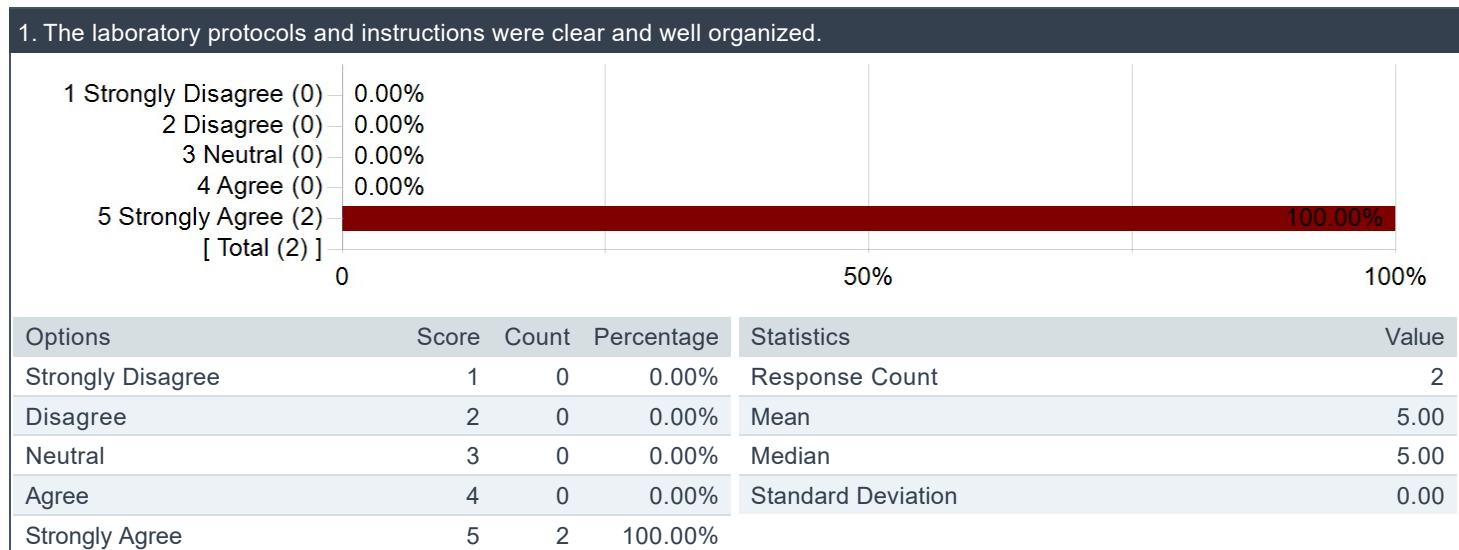


## Please share any advice you have for students who are considering taking the course.

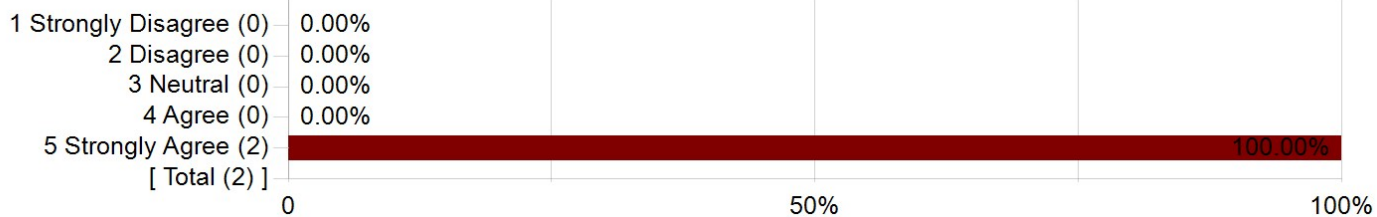
Comments
This course is fun and not difficult.
This is an excellent bio topics course. Take this. Seriously. You won't regret it.
Professor Martineau was friendly, passionate about the topic, consistently helpful, and overall a great instructor. Would definitely recommend this course for bio core.
I really recommend this course for anyone who is interested in how the human visual system functions and how it connects to art!
Super good core class to take, highly recommend. Professor is great and the time commitments are not a lot.
Go in with an open mind and enjoy her teaching style. Very low pressure but high gain regarding what you walk out of the class knowing
Have lots of fun, pay attention to lectures and find good groupmates!

## Laboratory Meetings

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

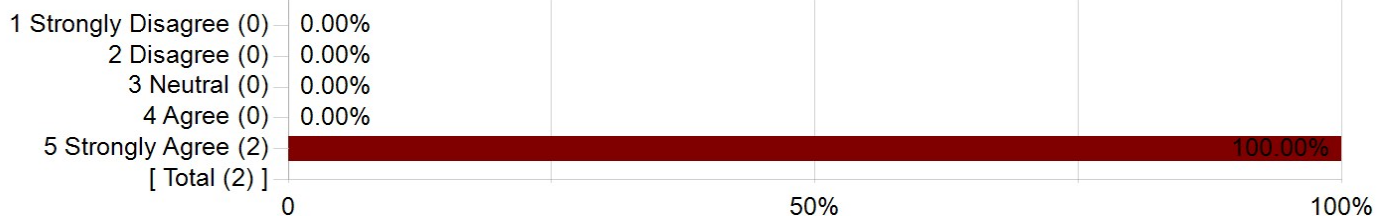


## 2. Materials and equipment needed for performing the exercises were readily available.



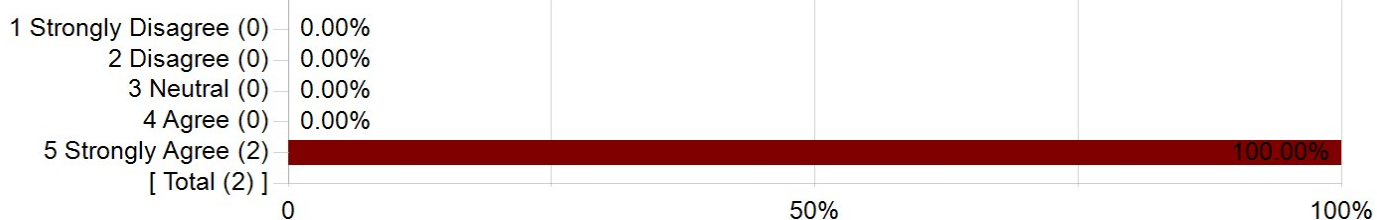
Options	Score	Count	Percentage	Statistics	Value
Strongly Disagree	1	0	0.00%	Response Count	2
Disagree	2	0	0.00%	Mean	5.00
Neutral	3	0	0.00%	Median	5.00
Agree	4	0	0.00%	Standard Deviation	0.00
Strongly Agree	5	2	100.00%		

## 3. The lab exercises had clear educational goals.



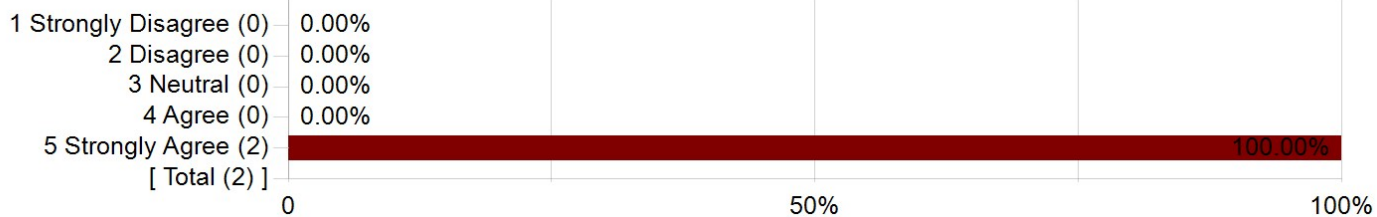
Options	Score	Count	Percentage	Statistics	Value
Strongly Disagree	1	0	0.00%	Response Count	2
Disagree	2	0	0.00%	Mean	5.00
Neutral	3	0	0.00%	Median	5.00
Agree	4	0	0.00%	Standard Deviation	0.00
Strongly Agree	5	2	100.00%		

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



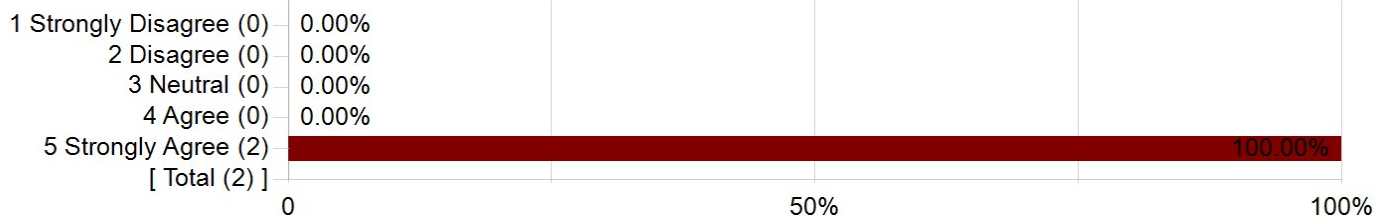
Options	Score	Count	Percentage	Statistics	Value
Strongly Disagree	1	0	0.00%	Response Count	2
Disagree	2	0	0.00%	Mean	5.00
Neutral	3	0	0.00%	Median	5.00
Agree	4	0	0.00%	Standard Deviation	0.00
Strongly Agree	5	2	100.00%		

#### 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	2
Disagree	2	0	0.00%	Mean	5.00
Neutral	3	0	0.00%	Median	5.00
Agree	4	0	0.00%	Standard Deviation	0.00
Strongly Agree	5	2	100.00%		

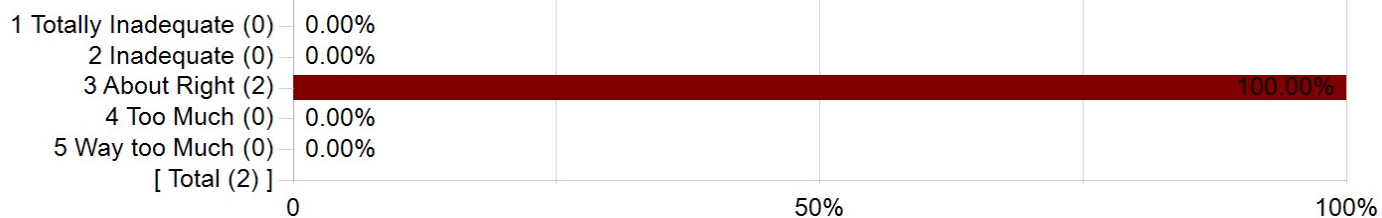
#### 6. Overall, this was an excellent laboratory experience.



Options	Score	Count	Percentage	Statistics	Value
Strongly Disagree	1	0	0.00%	Response Count	2
Disagree	2	0	0.00%	Mean	5.00
Neutral	3	0	0.00%	Median	5.00
Agree	4	0	0.00%	Standard Deviation	0.00
Strongly Agree	5	2	100.00%		

#### The time allocated for completing the lab was:

The time allocated for completing the lab was:



Statistics	Value
Response Count	2
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
We had one lab in which we studied how the visual system sees color using a spectrophotometer. I gained observational skills in looking at how to map out the data given by the device as well as how to interpret its results.

**Please comment on how well this class met your expectations for a biology topics course based on prior Core courses.**

Comments
I believe the class met my expectations for a biology topics course, as it focused on a specific topic in biology (the visual system), and applied that knowledge to real world art using the neuroscience and biology concepts we learned.
This class exceeded my expectations. It was very very interesting
very well, was super fun and enjoyable!
It seemed very reasonable for a Core course

**Please comment on how well your science background and assigned readings prepared you to engage with course content.**

Comments
Having a social science background was helpful in reading the papers and understanding the graphs and results, but I believe that anyone with any scientific background could understand the readings to learn what they needed for the course.
Not huge science background and I felt like the course was very manageable
you did not need any prior experience
I haven't taken bio since junior year of high school, so there was a limited amount of material that I remembered

**Please comment on topics and/or activities that contributed most to your understanding of and/or engagement with course material.**

Comments
The lectures contributed the most to my understanding of the course material, with the worksheets and quizzes then providing great tests to check our understanding of that material.
discussions and SMART museum visits were very helpful

**Please comment on topics and/or activities that best supported the development of your scientific knowledge and/or skills.**

Comments
The final project of applying the biology and neuroscience concepts to what we learned in the class was a really great final project, as it was a culmination of everything we learned in the class.
learning about visual impairments was very interesting. It was helpful to apply the other topics that we had learned about to the way in which we were experiencing the artwork in the SMART museum