BIOS 11125 1, ENST 12402 1 - Life Through a Genomic Lens - Instructor(s): Aaron Turkewitz, Marcelo Nobrega

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

Number Enrolled: **24**
Number of Responses: **18**

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, June 22, 2023**

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

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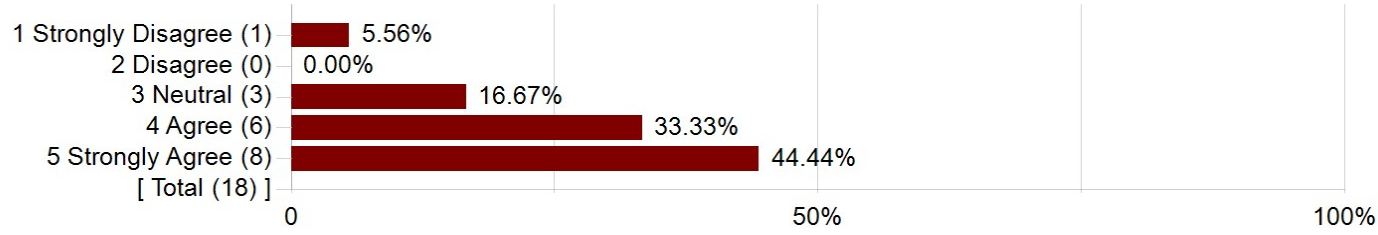

Statistics	Value
Response Count	18
Mean	4.11
Median	4.00
Standard Deviation	1.08

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

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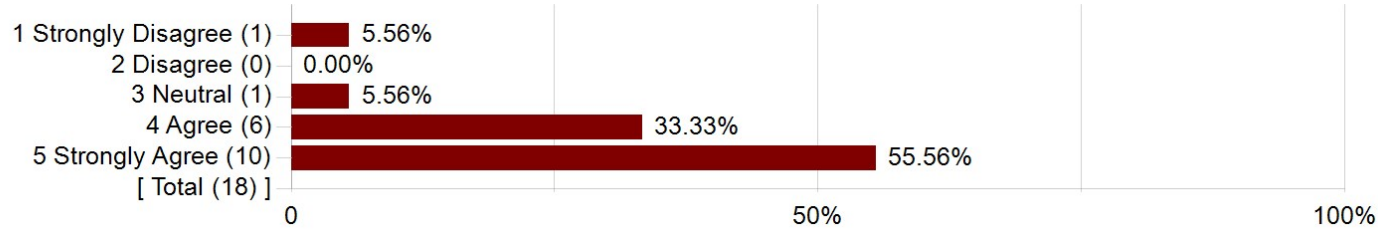

Statistics	Value
Response Count	18
Mean	4.33
Median	5.00
Standard Deviation	1.03

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

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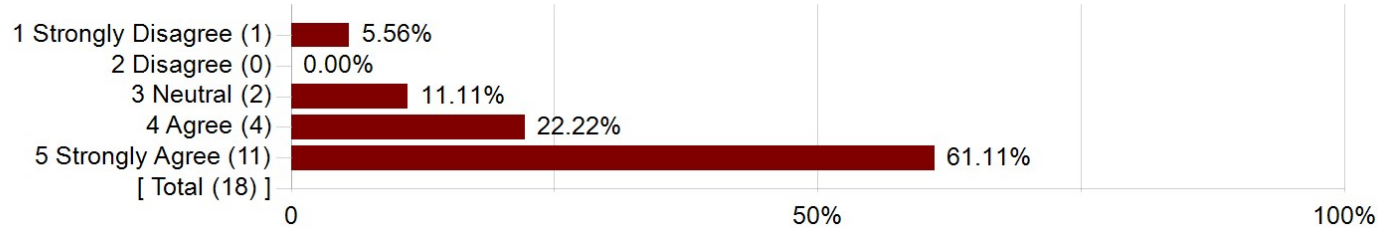

Statistics	Value
Response Count	18
Mean	4.33
Median	5.00
Standard Deviation	1.08

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

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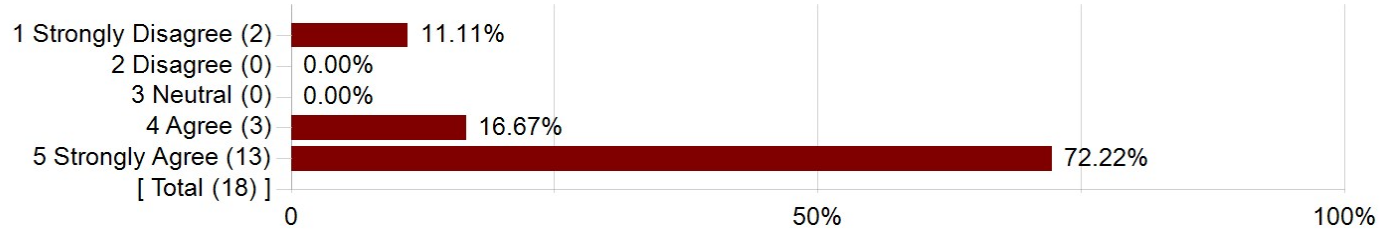
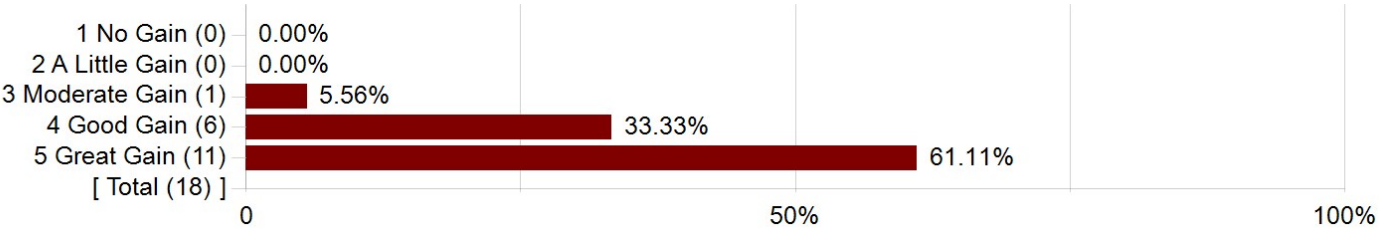


Statistics	Value
Response Count	18
Mean	4.39
Median	5.00
Standard Deviation	1.29

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

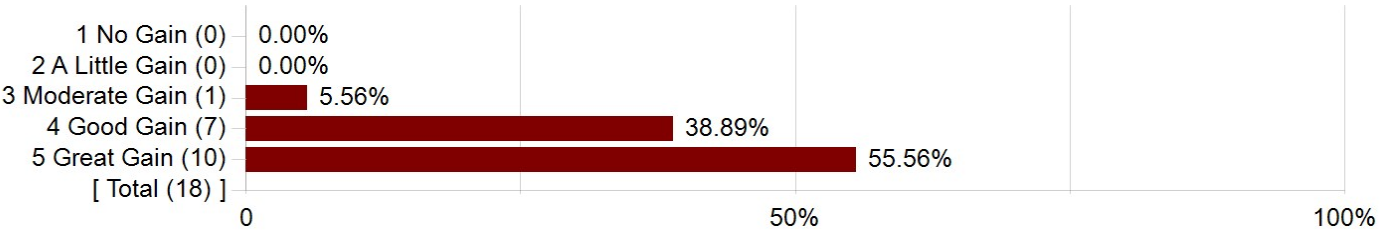
1. Classroom Lectures



Options	Score	Count	Percentage
No Gain	1	0	0.00%
A Little Gain	2	0	0.00%
Moderate Gain	3	1	5.56%
Good Gain	4	6	33.33%
Great Gain	5	11	61.11%

Statistics	Value
Response Count	18
Mean	4.56
Median	5.00
Standard Deviation	0.62

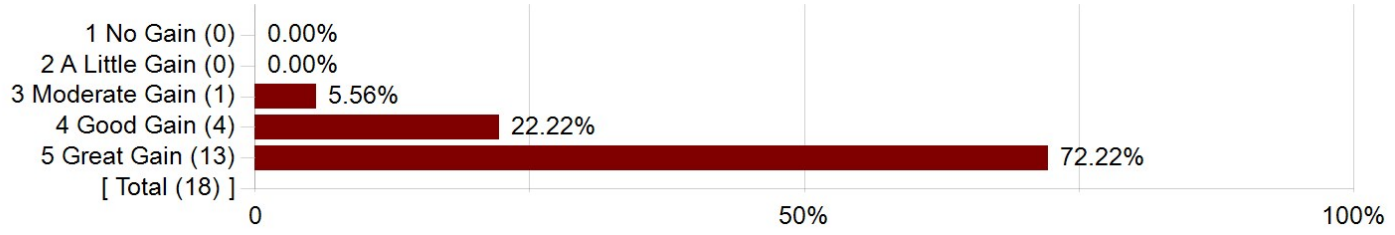
2. Classroom Discussions



Options	Score	Count	Percentage
No Gain	1	0	0.00%
A Little Gain	2	0	0.00%
Moderate Gain	3	1	5.56%
Good Gain	4	7	38.89%
Great Gain	5	10	55.56%

Statistics	Value
Response Count	18
Mean	4.50
Median	5.00
Standard Deviation	0.62

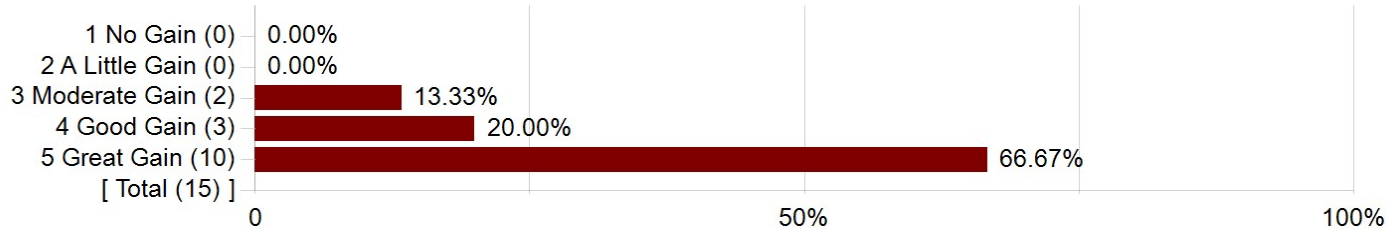
3. Assigned Readings



Options	Score	Count	Percentage
No Gain	1	0	0.00%
A Little Gain	2	0	0.00%
Moderate Gain	3	1	5.56%
Good Gain	4	4	22.22%
Great Gain	5	13	72.22%

Statistics	Value
Response Count	18
Mean	4.67
Median	5.00
Standard Deviation	0.59

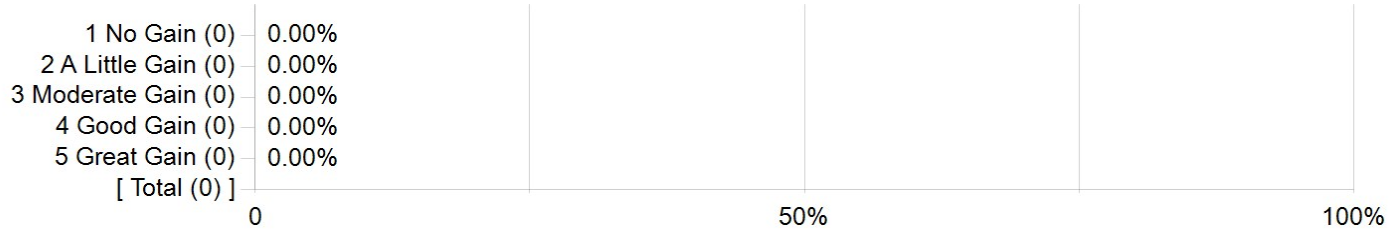
4. Homework Exercises



Options	Score	Count	Percentage
No Gain	1	0	0.00%
A Little Gain	2	0	0.00%
Moderate Gain	3	2	13.33%
Good Gain	4	3	20.00%
Great Gain	5	10	66.67%

Statistics	Value
Response Count	15
Mean	4.53
Median	5.00
Standard Deviation	0.74

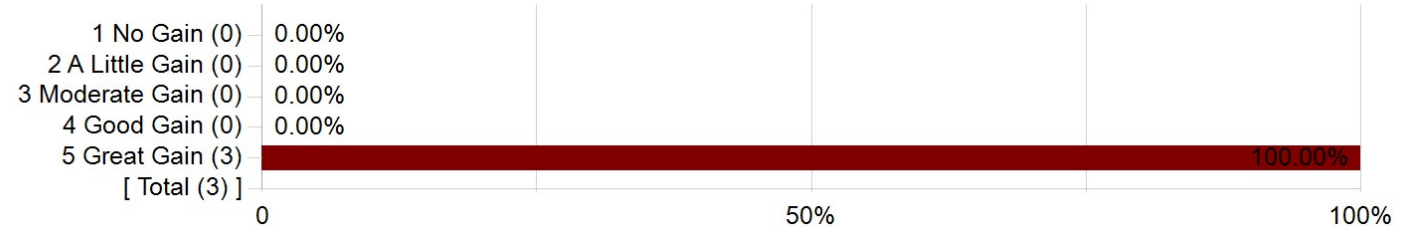
5. Lab Experiences



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	0	0.00%
Great Gain	5	0	0.00%

Statistics	Value
Response Count	0
Mean	NRP
Median	NRP
Standard Deviation	NRP

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	0	0.00%
Great Gain	5	3	100.00%

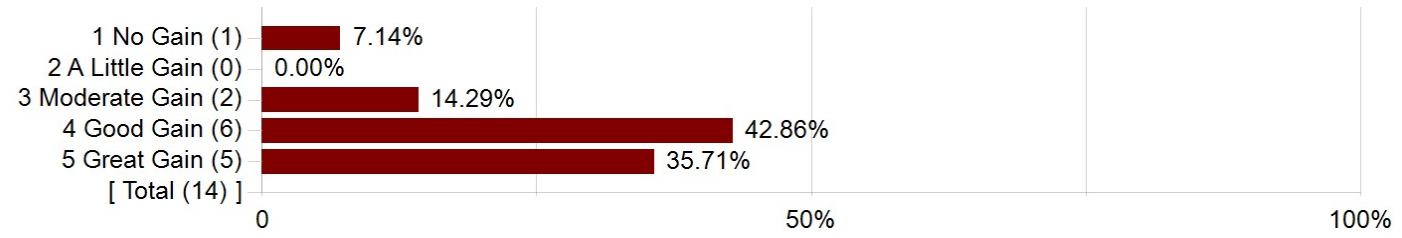
Statistics	Value
Response Count	3
Mean	5.00
Median	5.00
Standard Deviation	0.00

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	0	0.00%
Great Gain	5	0	0.00%

Statistics	Value
Response Count	0
Mean	NRP
Median	NRP
Standard Deviation	NRP

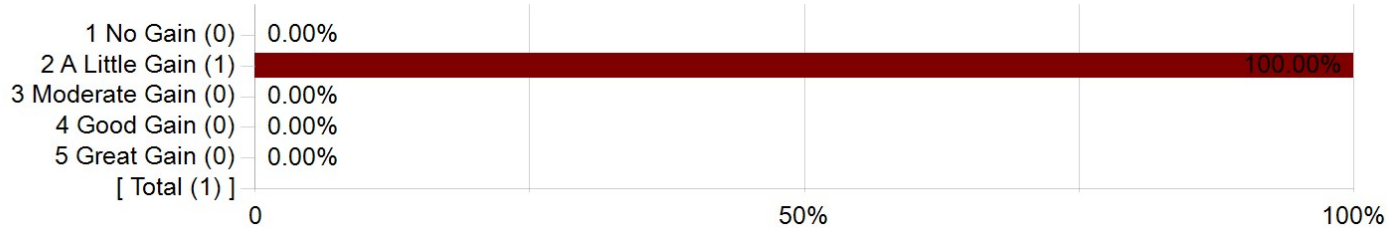
8. Interactions with Other Students



Options	Score	Count	Percentage
No Gain	1	1	7.14%
A Little Gain	2	0	0.00%
Moderate Gain	3	2	14.29%
Good Gain	4	6	42.86%
Great Gain	5	5	35.71%

Statistics	Value
Response Count	14
Mean	4.00
Median	4.00
Standard Deviation	1.11

9. Faculty Office Hours



Options	Score	Count	Percentage
No Gain	1	0	0.00%
A Little Gain	2	1	100.00%
Moderate Gain	3	0	0.00%
Good Gain	4	0	0.00%
Great Gain	5	0	0.00%

Statistics	Value
Response Count	1
Mean	2.00
Median	2.00
Standard Deviation	N/A

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	0	0.00%
Good Gain	4	0	0.00%
Great Gain	5	0	0.00%

Statistics	Value
Response Count	0
Mean	NRP
Median	NRP
Standard Deviation	NRP

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
Genomics is all around us, and the role genetic technology will continue to grow in the future and play an increased role in human life.
How much of our world is a result of genes — and, because of that, how much of our world could change as a result of genetic technologies. I wish we could've talked more about the ethical implications of specific technologies, but that's more my personal interests.
I learned a lot about genetic history and all the ways genetics and DNA has benefited us. I wish we could've dived a little further into the ethics of certain parts of genetics, as we were able to touch on it but discuss it too thoroughly.
We covered a wide range of implications and applications of DNA sequencing, from epigenetics and prenatal testing to climate change and agricultural GMOs. While the wide range of topics meant that we did not go hugely in depth on anything, this class was never superficial either; instead, we learned just enough to provide us with the scientific vocabulary and background to understand science journalism and to stimulate our curiosity about these topics.
I learned about polygenic risk scores and how they are being applied as well as their limitations. I have a better understanding of genes and their functioning.
How genomics impact our lives both physically and socially
We learned a lot about different topics in genetics that ranged from human genetics to GMOs (and other topics). We also had really cool guest lecturers come in to talk about specific topics within the field of genetics that they worked on.
The most important thing I learned was that the rapid advancement of technologies that can be used to identify and treat genetic disorders.
I think I have a better grasp on how the application of genetics in real world situations in our current world are improving and what the issues with them are now.
n/a
The different ways that genomic techniques (DNA sequencing; Genetic archaeology etc.) have led to new commercial technologies/applications or advanced other fields of biology (e.g. our understanding of ocean ecology). Also a basic understanding of how genetic mutations occur and how geneticists attempt to associate genes with phoenotypes (e.g. through GWAS statistical studies).

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

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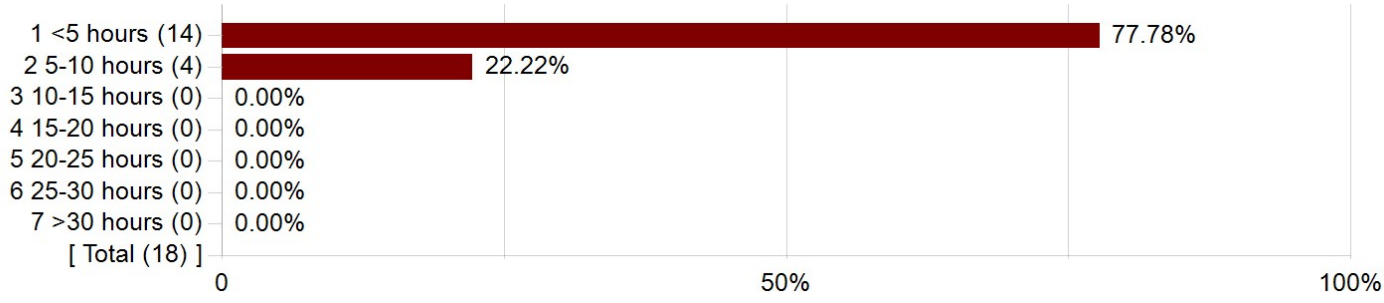

Statistics	Value
Response Count	18
Mean	1.22
Median	1.00
Standard Deviation	0.43

Prior to starting this class, your interest level was?

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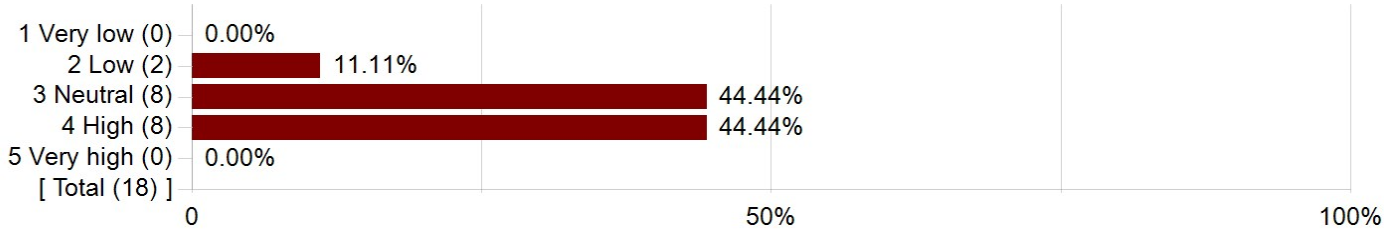
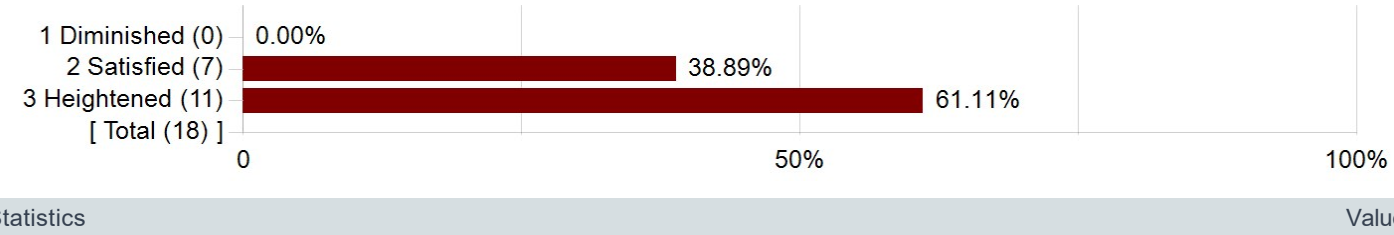


Statistics	Value
Response Count	18
Mean	3.33
Median	3.00
Standard Deviation	0.69

Now that this class is over, your interest is?

Now that this class is over, your interest is?



Statistics	Value
Response Count	18
Mean	2.61
Median	3.00
Standard Deviation	0.50

Overall, this was an excellent course.

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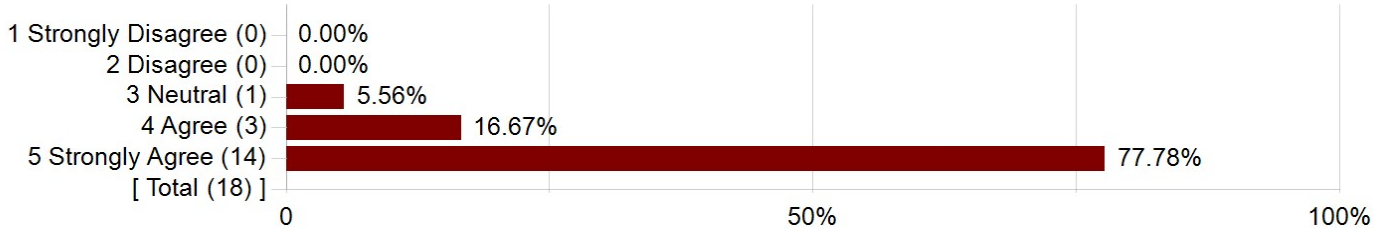

Statistics	Value
Response Count	18
Mean	4.72
Median	5.00
Standard Deviation	0.57

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

Comments
Great bio topic for non–STEM majors
If you can take this class, do it. Workload is so minimal but you'll learn a lot.
An excellent bio topics course! As an English major, I found this class extremely accessible and interesting, and I often found myself applying ideas I learned in this course to work in my humanities courses and vice versa. This class equips and encourages us to think more critically about the scientific claims regarding genetics that we see in popular media, as well as to make more informed decisions about our own engagement with these genetic breakthroughs (i.e. what to think about genetically modified produce; whether sites like 23andMe are "worth it"; how issues of genetic privacy are relevant in everything from genetic counseling and healthcare to criminal justice)
The two professors had an excellent dynamic together, and I recommend this course to non–STEM majors because they made everyone feel comfortable with their questions. They recognize that we all have different experiences and accommodated them.
Do it! It's a great course.
This is a great bio topics course —– the material is really interesting and there isn't a lot of work outside of class.
I recommend this course to anyone with a slight interest in genetics
For the biweekly summary and extension questions (which compose a large portion of the grade) connections between texts and other fields is appreciated.
Great course! Would definitely recommend! Both Professor Turkewitz and Nobrega are fantastic and gave really interesting lectures that only heightened my desire to learn more! Also, very approachable for beginners. I enjoyed the overall structure of the class with weekly writing assignments and participation making up our final grade.