

Algebra-based Phys II (EMP) (2021 Spring Semester)

Instructor: **Hanson, Jordan**
 Subject: **PHYS**
 Catalog & Section: **135B 1**

Enrollment: **25**
 Responses Incl Declines: **11**
 Declines: **0**

Category Summary

Category	Number of Responses	Response Rate	Mean	Dept. Mean	Median	Dept. Median	STDEV
Self-Evaluation	99	44.0%	4.2	4.5	5.0	5.0	1.1
Instructor's Questions	22	44.0%	4.4	4.4	5.0	5.0	1.2
Course	77	44.0%	4.4	4.8	5.0	5.0	1.1
Professor - Jordan Hanson	99	44.0%	4.4	4.8	5.0	5.0	1.0

Demographics

Question	Number of Responses	Liberal Education	WSP requirement	Major requirement	Minor requirement	Elective/Interest
Why did you take this course? (Select primary reason.)	11	0%	0%	73%	0%	27%

Question	Number of Responses	First-Year	Sophomore	Junior	Senior	Graduate
What is your year in college	11	0%	18%	55%	27%	0%

Quantitative Data

All Likert Scale Questions - Self-Evaluation

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean
I attended class regularly.	11	44%	4.5	4.9
I was academically prepared to handle the material.	11	44%	4.5	4.6
I came prepared for each class session (i.e. have read all course readings and completed assignments).	11	44%	4.4	4.7
I actively participated in class discussions.	11	44%	4.0	4.1
I attended scheduled office hours if I had questions about the course material.	11	44%	3.9	4.3
I tried to relate course material to other things I know and/or study.	11	44%	4.1	4.6
I worked to my full potential in this course.	11	44%	4.4	4.6
I was satisfied with my performance in this course.	11	44%	4.4	4.5
I had a strong desire to take this course.	11	44%	3.7	4.2

Note: 1:Disagree; 2:Moderately disagree; 3:Neutral; 4:Moderately agree; 5:Agree; -1:N/A;

All Likert Scale Questions - Instructor's Questions

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean
The Pivot Interactive online laboratory activities were useful for understanding course concepts.	11	44%	4.5	4.5
The Pivot Interactive online laboratory activities were useful for practicing lab skills like data analysis and graphing.	11	44%	4.3	4.3
Note: 1:Disagree; 2:Moderately disagree; 3:Neutral; 4:Moderately agree; 5:Agree; -1:N/A;				

All Likert Scale Questions - Course

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean
This course had clear goals and objectives.	11	44%	4.6	4.9
This course was academically challenging.	11	44%	4.8	4.9
This course offered useful learning tools (such as lectures, discussions, readings, assignments and/or examinations).	11	44%	4.5	4.9
This course had grading criteria that were clearly identified.	11	44%	4.5	4.8
This course improved my understanding of the material.	11	44%	4.3	4.8
This course increased my interest in the subject matter.	11	44%	4.1	4.5
Overall, I would recommend this course to others.	11	44%	3.9	4.6
Note: 1:Disagree; 2:Moderately disagree; 3:Neutral; 4:Moderately agree; 5:Agree; -1:N/A;				

All Likert Scale Questions - Professor - Jordan Hanson

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean
The professor used class time effectively and demonstrated preparation for class.	11	44%	4.5	4.9
The professor's teaching style and/or enthusiasm for the material strengthened my interest in the subject matter.	11	44%	4.4	4.7
The professor was able to explain complicated ideas.	11	44%	4.2	4.7
The professor challenged students to think critically and/or imaginatively about the course material.	11	44%	4.4	4.8
The professor provided clear and timely feedback.	11	44%	4.0	4.8
The professor encouraged meaningful class discussions.	11	44%	4.4	4.8
The professor was receptive to differing views.	11	44%	4.8	4.9
The professor was available for help outside of class.	11	44%	4.9	4.9
Overall, I would recommend this professor to others.	11	44%	4.5	4.8
Note: 1:Disagree; 2:Moderately disagree; 3:Neutral; 4:Moderately agree; 5:Agree; -1:N/A;				

Open Ended Responses

Written Comments (66 comments)

Q: What useful feedback could you provide the professor of this course? (Please be specific.)

- 1 The homework is helpful
- 2 I loved this course as challenging as it was.
- 3 n/a
- 4 n/a
- 5 I would say that the professor could slow down a bit on the material in class, although I know we had time issues because of the module system, it would have been great to learn more complex systems at a slower pace.
- 6 N/A
- 7 Probably go into detail about problems that only 3 students understand
- 8 n/a
- 9 Professor Hanson, thank you for your patience and understanding through this pandemic. This course was easier in my perspective thanks to your personality and actions. Greatly appreciative.
- 10 explanations could be better.
- 11 I know that it is the last module, but I could feel the lack of "effort" put in for this module. It is likely due to the zoom burn out. I feel that the explanations given in class were not simplified enough and unnecessarily complicated.

Q: What were the best aspects of this course? (Please be specific.)

- 1 The warm-ups and the practice questions in the notes
- 2 The online homework and reading.
- 3 n/a
- 4 The fact that the professor was incredibly understanding that the student have lives to get to which conflict with class sometimes
- 5 I think the best aspects of this course were the professor's passion for the subject of physics, which really made the material more interesting to learn, and the use of simulations to play around with and learn from.
- 6 N/A
- 7 Final project being able to transfer my knowledge into real life
- 8 Class discussions.
- 9 The best aspects would be the PHET simulations to help reinforce the calculations and concepts of the material presented.
- 10 n/a
- 11 I did not enjoy any part of this course. It was most likely because it was taught online.

Q: What would you change about this course? (Please be specific.)

- 1 I would prefer it to be in person
- 2 More discussion about the final project.
- 3 n/a
- 4 N/A
- 5 I would say it would be best to space out the midterm, final lab, and final project a little more, it would have allowed for more time to study for the exam and complete the project. It would also have been beneficial to have the rubric for the final project at the beginning of the module to give us time to come up with awesome project ideas.
- 6 N/A
- 7 Nothing
- 8 n/a
- 9 I was hoping to be in-person for this course, but other than that the course was fine.
- 10 n/a
- 11 The explanations for ideas were not the best, but it is much harder to explain the concepts online with zoom not always cooperating.

Q: Please evaluate your own performance in this course. That is, are you satisfied with your accomplishments in this course? If not, what should you have done differently to improve your performance and/or comprehension of the course material.

- | | |
|----|--|
| 1 | I believe I did well, but I had trouble understanding some topics here and there |
| 2 | I am satisfied. |
| 3 | n/a |
| 4 | N/A |
| 5 | I think I had a fairly good performance in the class until the end due to the rush to finish an influx of multiple assignments as well as many other things I had to take care of for my family, but overall I think my performance was pretty good all things considered. |
| 6 | N/A |
| 7 | I did alright, it was pretty challenging and considering Ive been burnt out with school and work |
| 8 | I am very satisfied. |
| 9 | My performance in this course was decent from my perspective. Glad to complete a harder course with the grade I did. |
| 10 | n/a |
| 11 | I was satisfied with my performance in this class. I was able to figure out the concepts I was confused about through research outside of class. |

Q: Please comment on your experiences with the remote delivery of this course. What suggestions do you have for improvement?

- | | |
|----|---|
| 1 | It was a bit challenging since it is online but it was manageable |
| 2 | I think this class could have been less challenging had it been in person. |
| 3 | Remote delivery of this course was very difficult and I would have much rather taken it in person. |
| 4 | N/A |
| 5 | There was a bit of trouble with the remote delivery of the course mainly attributed to the fact that it was pretty windy during the last module, but I would say it could be beneficial to try another system other than zoom or maybe use more online worksheets so that students can work independently no matter the wifi situation. |
| 6 | N/A |
| 7 | More interactive between students |
| 8 | n/a |
| 9 | The delivery of this course was great, definitely expected the course to be harder. That it due to Professor Hanson's teaching style. |
| 10 | It's really hard to learn physics let alone online. I think topics could've been explaining better and more in-depth with more examples and not written on a white board, like actual slides. |
| 11 | The remote delivery of the material was poor. I think it was because the students and professor were burnt out from the previous 4 modules. Everybody wanted this module to end. |

Q: How has the modular schedule shaped your experience and/or expectations of this course?

- | | |
|----|--|
| 1 | It made classes difficult and stressful |
| 2 | The modular experience made this class feel rushed and like I couldn't take my time understanding the material. |
| 3 | Was very rushed due to short time frame and would have liked to take this course in person during a normal semester. |
| 4 | N/A |
| 5 | This modular schedule made me much happier especially with this course, it gave me more time to really learn the material without having to worry about going back and forth between multiple different classes and despite some remote delivery snags I really had fun this module. |
| 6 | N/A |
| 7 | It is harder to learn over zoom and it also doesn't allow me to ask as much questions as I would want |
| 8 | It has made me appreciate the amount of work and effort put in by the professor. |
| 9 | N/A |
| 10 | n/a |
| 11 | The module system was terrible. Should have never happened. The professors were not given enough time to adapt their material to the shorter schedule and it was unfair to them and the students. |

Supplemental Questions

Supplemental Questions

Question	Number of Responses	Response Rate	STDEV	1	2	3	4	5	-1
The Pivot Interactive online laboratory activities were useful for understanding course concepts.	11	44%	1.2	9%	0%	0%	18%	73%	0%
The Pivot Interactive online laboratory activities were useful for practicing lab skills like data analysis and graphing.	11	44%	1.1	9%	0%	0%	36%	55%	0%

Note: 1:Disagree; 2:Moderately disagree; 3:Neutral; 4:Moderately agree; 5:Agree; -1:N/A;