

Calculus-Based Phys I (Mech) (2019 Fall Semester)

Instructor: **Hanson, Jordan**
 Subject: **PHYS**
 Catalog & Section: **150 2**

Enrollment: **26**
 Responses Incl Declines: **25**
 Declines: **0**

Category Summary

Category	Number of Responses	Response Rate	Mean	Dept. Mean	Median	Dept. Median	STDEV
Self-Evaluation	225	96.2%	4.5	4.3	5.0	5.0	0.8
Course	175	96.2%	4.8	4.6	5.0	5.0	0.6
Professor - Jordan Hanson	225	96.2%	4.8	4.6	5.0	5.0	0.6

Demographics

Question	Number of Responses	Liberal Education	WSP requirement	Major requirement	Minor requirement	Elective/Interest
Why did you take this course? (Select primary reason.)	25	20%	0%	68%	0%	12%

Question	Number of Responses	First-Year	Sophomore	Junior	Senior	Graduate
What is your year in college	25	64%	16%	20%	0%	0%

Quantitative Data

All Likert Scale Questions - Self-Evaluation

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean
I attended class regularly.	25	96%	4.9	4.8
I was academically prepared to handle the material.	25	96%	4.4	4.4
I came prepared for each class session (i.e. have read all course readings and completed assignments).	25	96%	4.6	4.4
I actively participated in class discussions.	25	96%	4.2	4.2
I attended scheduled office hours if I had questions about the course material.	25	96%	4.3	3.9
I tried to relate course material to other things I know and/or study.	25	96%	4.7	4.5
I worked to my full potential in this course.	25	96%	4.6	4.4
I was satisfied with my performance in this course.	25	96%	4.4	4.1
I had a strong desire to take this course.	25	96%	4.5	4.1

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.	25	96%	4.8	4.8
This course was academically challenging.	25	96%	4.9	4.8
This course offered useful learning tools (such as lectures, discussions, readings, assignments and/or examinations).	25	96%	4.9	4.7
This course had grading criteria that were clearly identified.	25	96%	4.9	4.7
This course improved my understanding of the material.	25	96%	4.7	4.6
This course increased my interest in the subject matter.	25	96%	4.3	4.2
Overall, I would recommend this course to others.	25	96%	4.8	4.4
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.	25	96%	4.9	4.8
The professor's teaching style and/or enthusiasm for the material strengthened my interest in the subject matter.	25	96%	4.7	4.5
The professor was able to explain complicated ideas.	25	96%	4.6	4.5
The professor challenged students to think critically and/or imaginatively about the course material.	25	96%	4.8	4.7
The professor provided clear and timely feedback.	25	96%	4.8	4.6
The professor encouraged meaningful class discussions.	25	96%	4.7	4.5
The professor was receptive to differing views.	25	96%	4.8	4.6
The professor was available for help outside of class.	25	96%	5.0	4.7
Overall, I would recommend this professor to others.	25	96%	4.8	4.6
Note: 1:Disagree; 2:Moderately disagree; 3:Neutral; 4:Moderately agree; 5:Agree; -1:N/A;				

Open Ended Responses

Written Comments (100 comments)

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

- For the final project, give examples of experiments they could do.
- Professor Hanson's enthusiasm for the course material really motivated me to do my best. His open office hours made me feel comfortable enough to walk in any time to ask last minute questions.
- I think he did a great job teaching and being able to help students out in class and out of class.
- None.
- Not much, Professor Hanson is a good Professor for this course.
- If the class does not understand concept try explaining it in a different example or use different words for the explanation.
- repeated some clicker problems
- Having Professor Hanson for my academic advisor and physics instructor has been very helpful in teaching me to navigate my first semester in college, and I look forward to the opportunity to grow as a physics student, and learn more interesting things in his classes in the future.

9 I enjoyed the course very much.

10 Make the clicker problems more difficult sometimes. It would be useful to explore some more difficult questions.

11 N/A

12 I really liked your teaching style and agenda for each class session. At the beginning of the class, you would go through what we will be doing that day.

13 Maybe provide useful videos describing class material.

14 I don't really know.

15 Great class

16 I liked the journal assignments and the reading assignments. The main book we read was very interesting and intriguing. Some of the reading assignments were not too even every week. Some chapters were really long and some were really short I would like to see a little more balance with the word count for the reading.

17 If there could be an earlier class of Calc-based physics offered by you in the morning would be helpful.

18 N/a

19 Sometimes when working on the board, professor would sometimes stand in front of the board for a while and then not give enough time to get the work.

20 -

21 Overall the course was very informative on the topic but I think maybe a helpful thing would be for the hw website to not doc off points for a wrong answer but to give us multiple tries.

22 Sometimes the lighting is a little off.

23 Good

24 The course was a bit hard, but overall i enjoyed your class.

25 Nothing it was great!

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

1 The labs are so fun.

2 I really enjoyed doing all the mini lab experiments in class because it helped me to further understand a concept discussed in class.

3 The professor spent a lot of effort to explain problems. If we had any trouble we would address is immediately.

4 All the labs, and engaging lessons.

5 The hands on experiments like the gyroscope etc.

6 The labs were really interesting to see the different concepts we learned in action

7 The best aspects of this course was the labs done in class. The online homework was great practice for class.

8 Professor Hanson lectures in a way that is interesting and understandable. He provides demonstrations, and proves important concepts using math on the board. I appreciate his accessibility as I have come to his office many times this semester!

9 Professor Hanson's teaching style

10 The resources made available for study such as the midterms study guides.

11 N/A

12 I really liked the lab activities and the final project that we had to do. I allowed for more engagement with the material in real life situations. I also liked how the homework was done online.

13 office hours

14 the study guide and review sessions how he was able to explain complicated ideas to students who have no expertise in the subject matter, but he made us feel special . I loved how

15 Real world explanations

16 The reading was very interesting. I am not normally a big reader but actually genuinely enjoyed reading all of the books.

17 Professors enthusiasm for physics and constantly teaching us more about physics/life. Outstanding person as well as professor.

18 Labs

19 The best aspects of the class was Professor Hansen's enthusiasm of the class. He encouraged and explained things quiet clearly.

- 20 I enjoyed the take home exams! They really helped me increase my understanding of the material without any added stress. I have really bad test anxiety so I tend to do worse in exam situations. With the take home exams I was able to work on the problems and take my time. This was a better reflection of my actual knowledge.
- 21 I loved your teaching professor and I understood the material just because of your teaching. I never understood physics before but now I do thanks to you. I really enjoyed the labs and the final project also.
- 22 Teaching was very thorough.
- 23 Good
- 24 The best aspects were going over the midterm after having taken it as well as the study guide and clicker problems.
- 25 Everything

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

- 1 Nothing.
- 2 I didn't like certain aspects of the expert TA homework because my answer would be off by one factor and I would be deducted points, which was somewhat frustrating.
- 3 I would not change anything about this course.
- 4 I would keep it the same.
- 5 I wouldn't change anything
- 6 The board was sometimes hard to see when the lights were on so i would turn around to read the back but kept going back and forth to see the work so maybe the lighting
- 7 The three midterms
- 8 Nothing.
- 9 N/A
- 10 While the final presentation on a self design experiment was useful in learning about the scientific method and learning about physics, it proved to be a great strain to do it under group work conditions. Further more, the last midterm shouldn't be on the last week of the semester, there are already many things going on for many students.
- 11 N/A
- 12 I honestly would not change anything. It is perfect the way it is right now. The three midterms, final project, final exam, lab activities, and reading assessments were utilized very well.
- 13 timing
- 14 The only thing time at which we have the class, coming in at 3 and ending at 430 on Mondays and Fridays. It was draining thats about it. this class kicked butt this year . I LOVED TAKING THIS COURSE
- 15 nothing
- 16 The reading length should be a little more uniform for each week.
- 17 Nothing it was good.
- 18 More labs
- 19 Maybe have more explanations in class rather than just reading a lot
- 20 -
- 21 I would not change anything about this course.
- 22 NA
- 23 Good
- 24 I wouldnt change anything.
- 25 Please show grades online

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 am satisfied with my accomplishments. I did pretty good in the course.
- 2 I am fairly satisfied with my performance in the class, I received B's on both midterms. I understood the material on the midterm

study guide, but on the actual exam I would often second guess myself.

- 3 I did not put my 100% in this class. I had trouble understanding this material and did not much effort to understand it. I should have put more effort into studying.
- 4 Yes I am, because I did really well throughout the whole class.
- 5 I feel like I did not reach my full Potential but I enjoyed this course
- 6 No i should have tried harder to understand what we were talking about tin class and not give up
- 7 I am satisfied with my accomplishments in the course
- 8 I am happy with my performance thus far in the course, and I hope to do well on the final and project. I learned a lot this semester, and I am excited that Professor Hanson always shows us ways that we are going to build on what we are learning.
- 9 Thanks to Professor Hanson I did very well
- 10 I should have tried harder to internalize the readings. The lecture was good but I felt like I could have done slightly better. I still, however, benefit by the problem solving forward environment. A reinforced understanding of reality.
- 11 N/A
- 12 I am very satisfied with my performance in this course. I think I did very well in this course because I understood all the mathematics behind the physics, and it proved to be useful to understand the mathematics, then the conceptual ideas.
- 13 I could have been more attentive to work for a better performance but I'm, good how I performed in the class.
- 14 I loved this course with this professor , he is very nice and patient with his students , I hope to take this professor for my next couple years at Whittier . He really made me love physics this semester,
- 15 yes
- 16 I am satisfied with my performance overall. I believe I studied well and did all of the reading.
- 17 I thought I did really well and was prepared well for this class. It is hard material as well
- 18 Good
- 19 I feel I should have focused on the readings more than just relying on the in class lectures
- 20 -
- 21 I am satisfied with my overall performance but I do wish I did homework in sections and not all together so that I can spend more time on various questions.
- 22 NA
- 23 Satisfied
- 24 I believe i did okay. Perhaps i could have done a bit better if i had used my resources more often and studied more.
- 25 I did well

Supplemental Questions

Supplemental Questions

No Data.