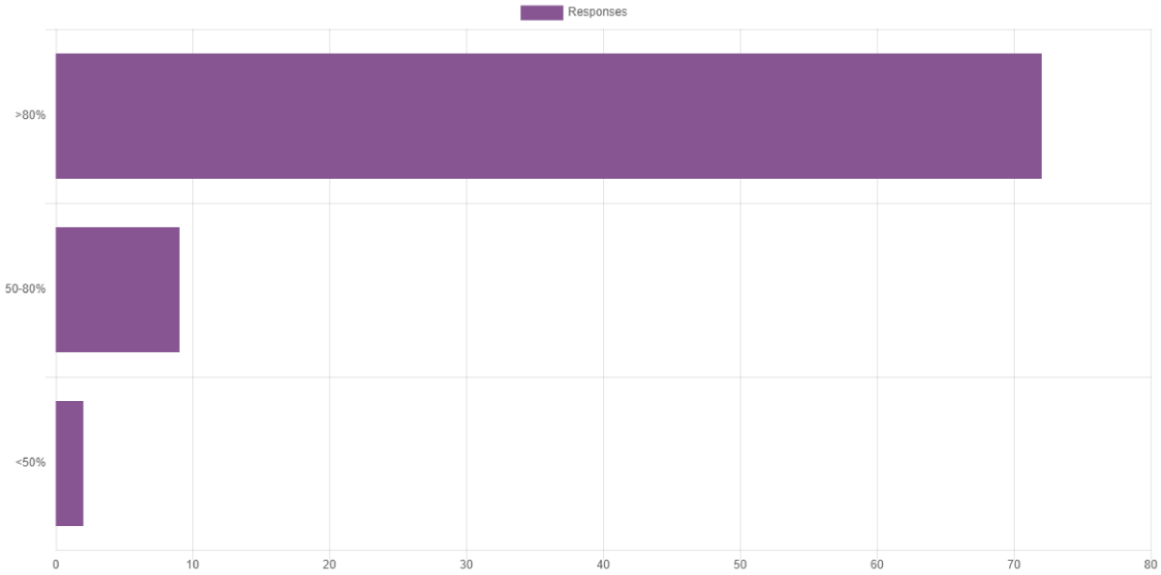
PX148:Classical Mechanics & Special Relativity

Module questionnaire 20/21 (PX148)

Export to Excel

Submitted answers: 84 /369
Questions: 19

(Q1) I watched or read through the notes of (...?...) of the online lecture material



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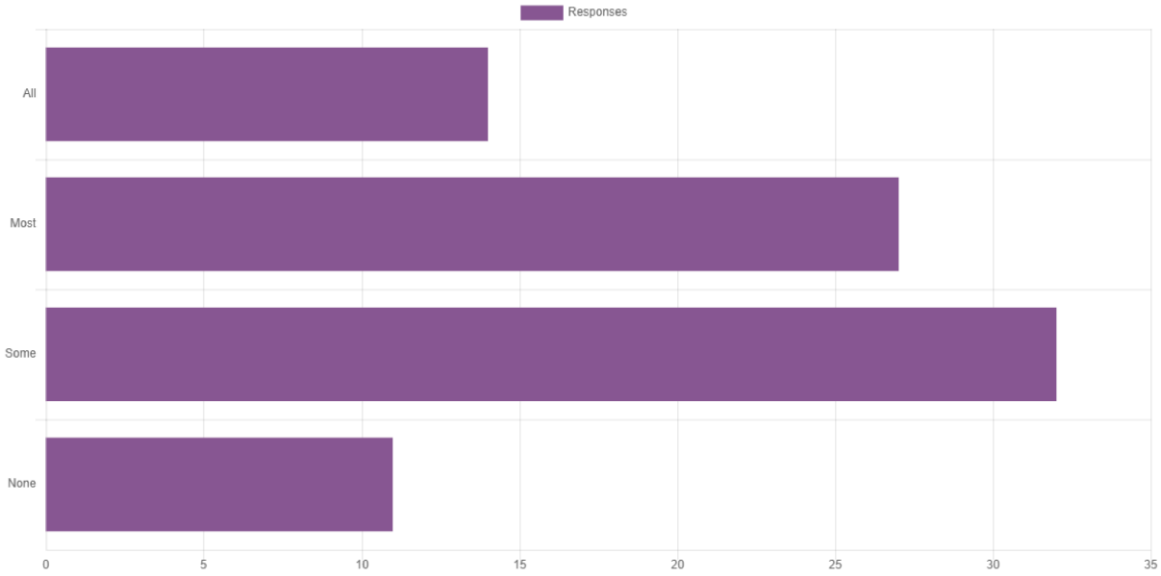
(Q2) I attended (...?...) of the Live events for this module



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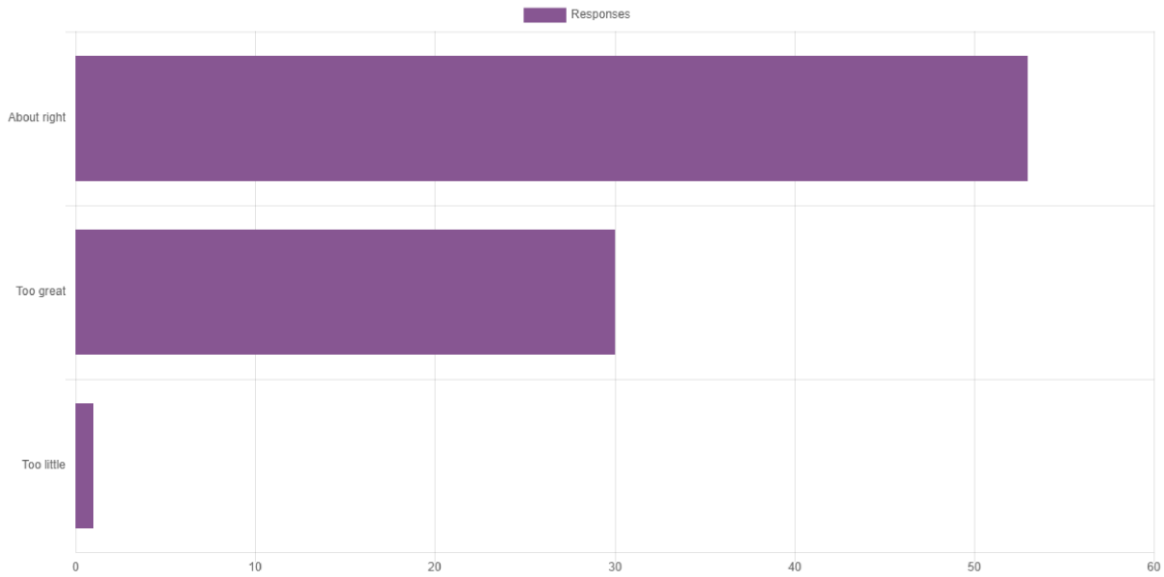
(Q3) The quantity of material was



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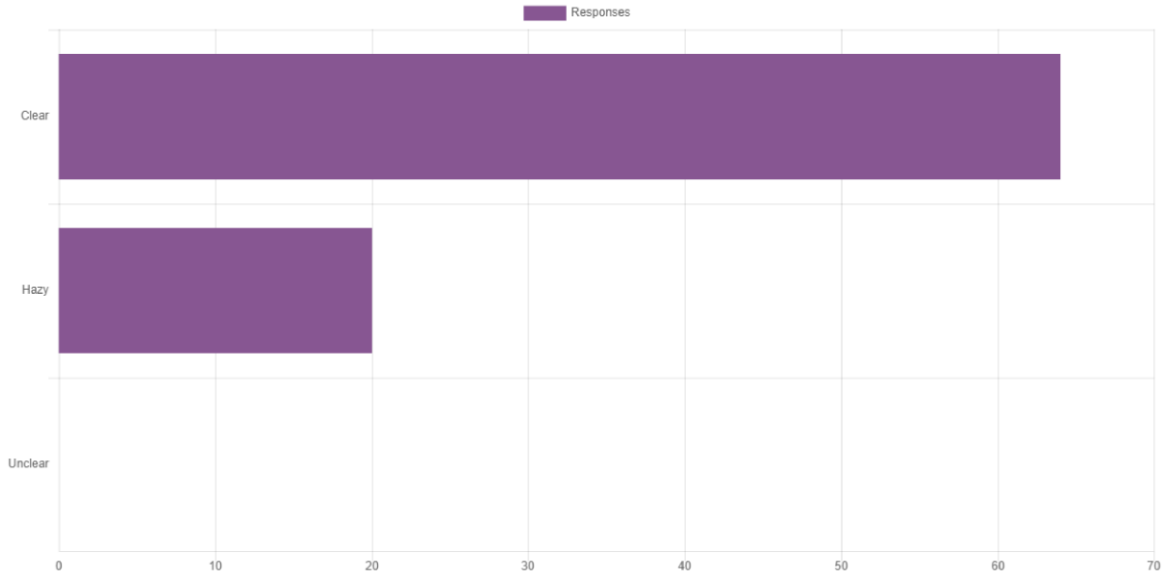
(Q4) By the end of the module its purpose and direction were



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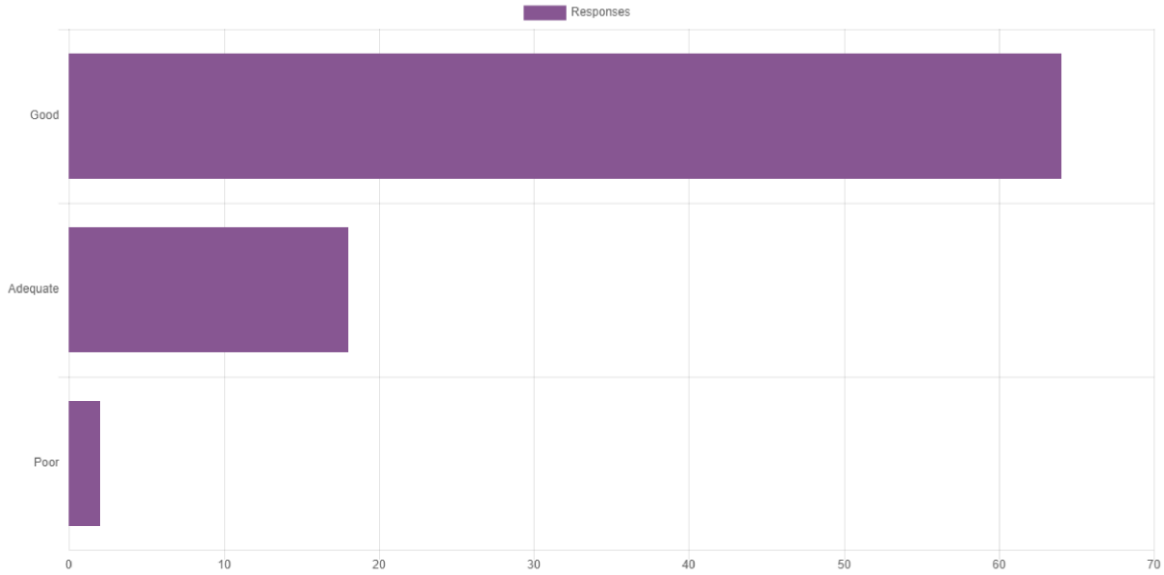
(Q5) Explanation of new terms and concepts was



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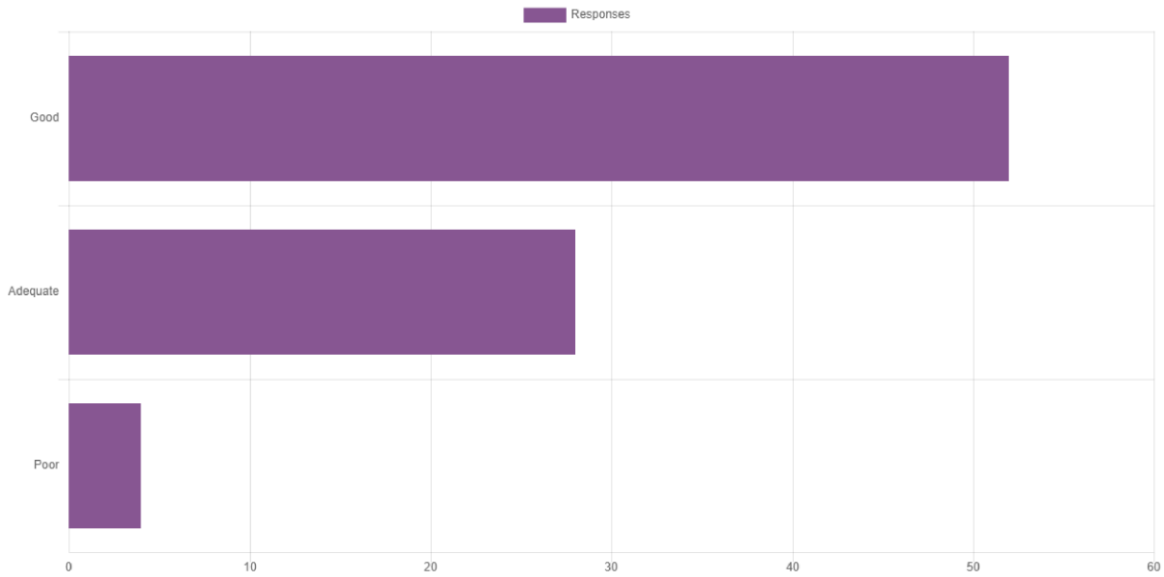
(Q6) I have a (...?...) set of notes



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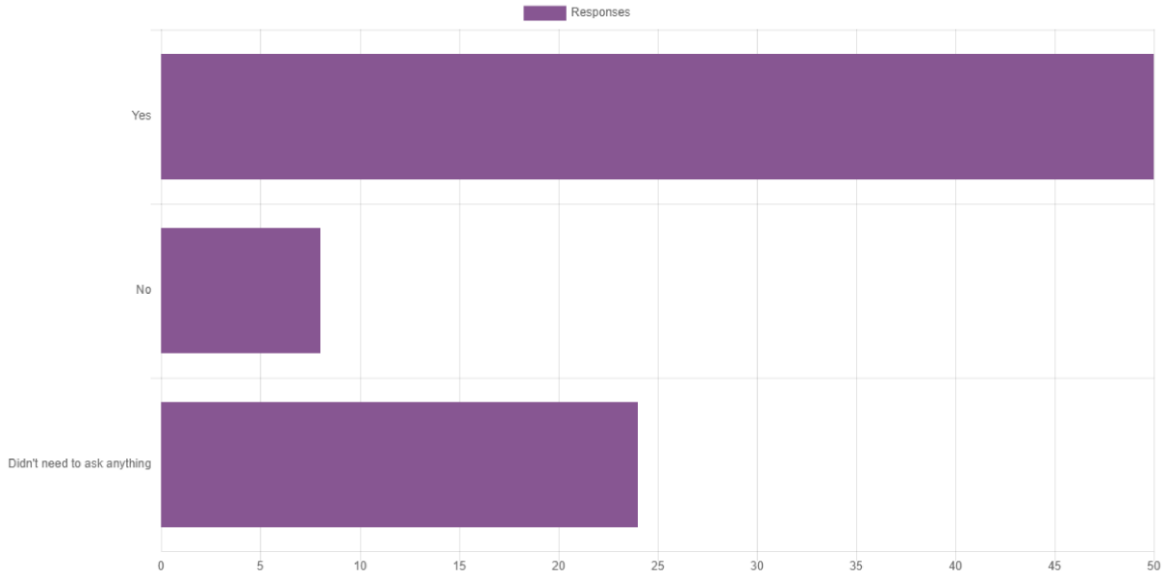
(Q7) I felt able to ask the module lecturer questions and get useful answers



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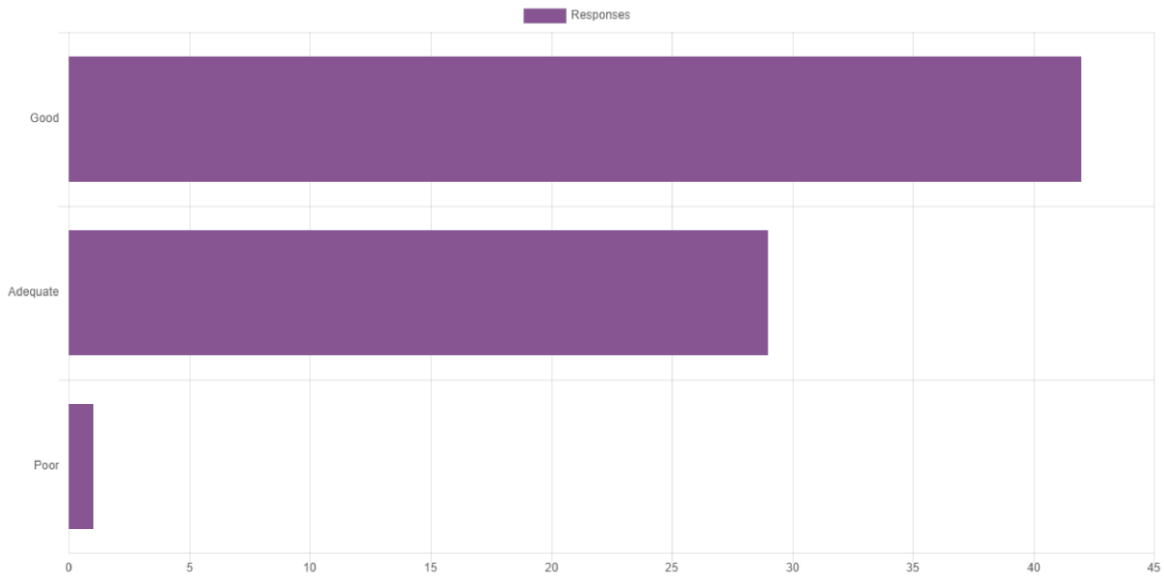
(Q8) Promptness of feedback on submitted coursework was



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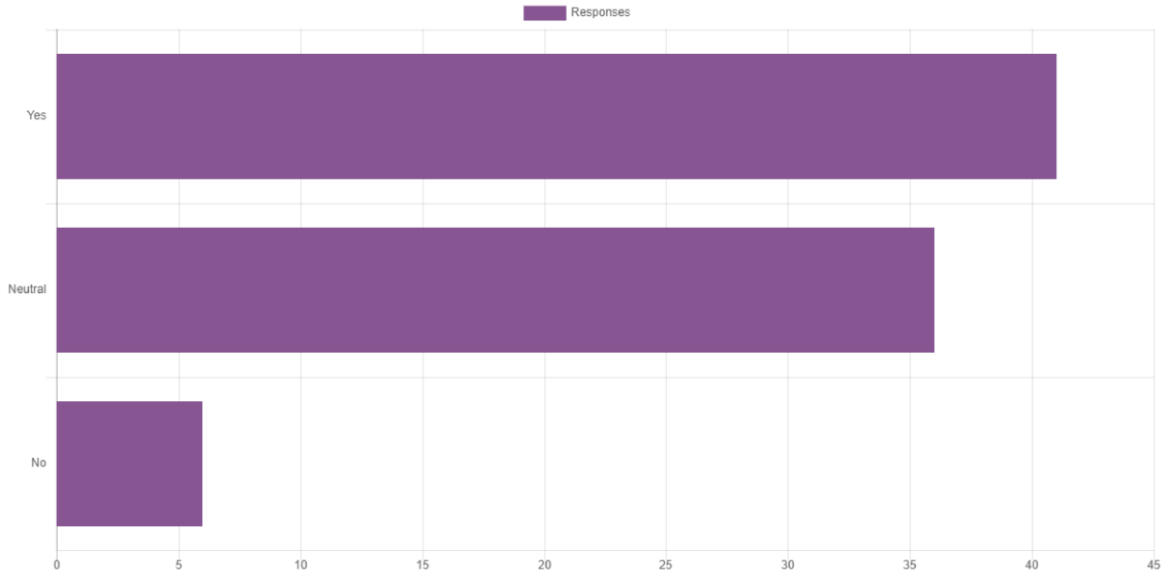
(Q9) Would you like a course taking this subject further ?



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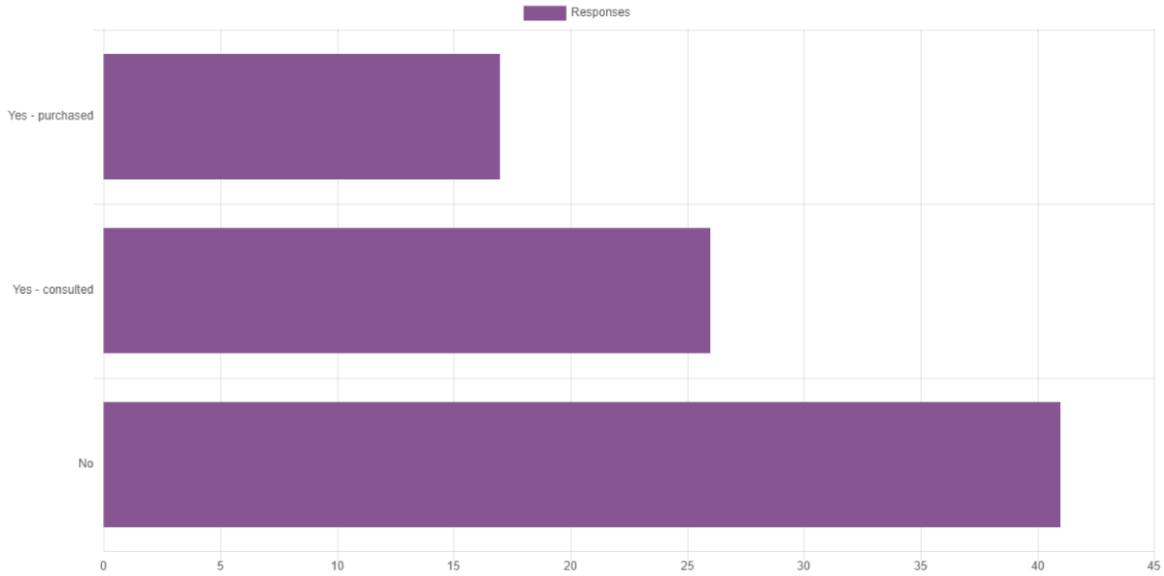
(Q10) Did you use any of the recommended/suggested textbooks?



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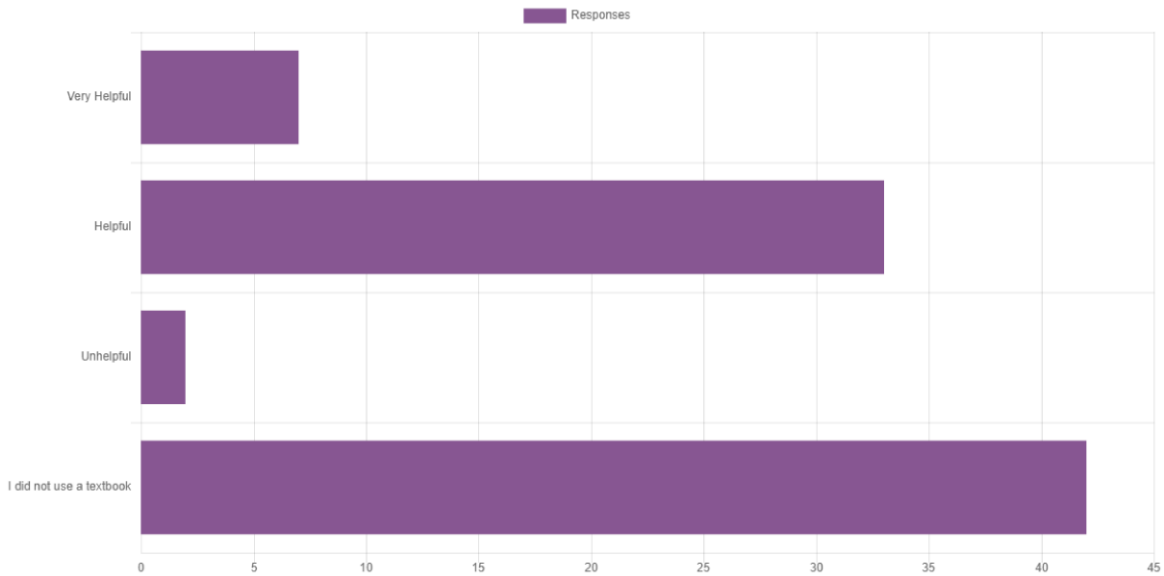
(Q11) I found the textbook(s) used to be



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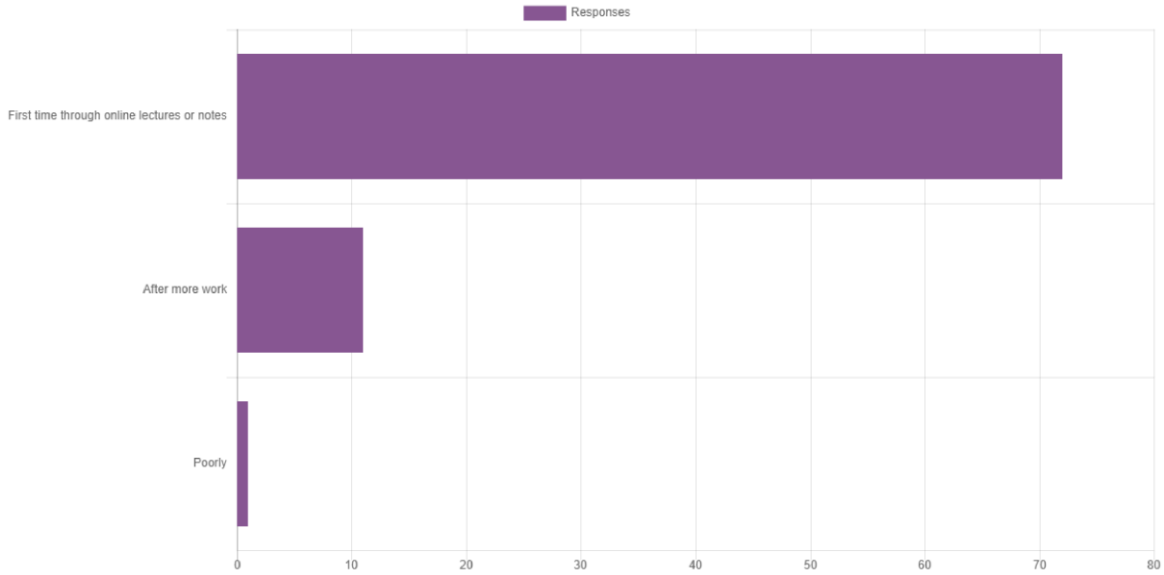
(A) Newton's laws of motion



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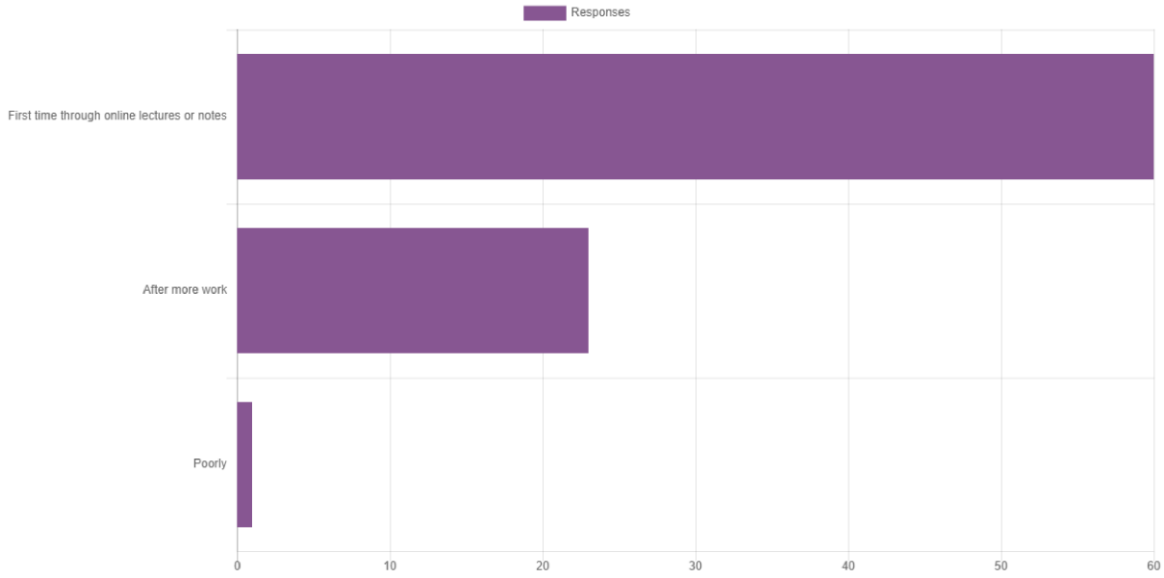
(B) Concepts of work and energy



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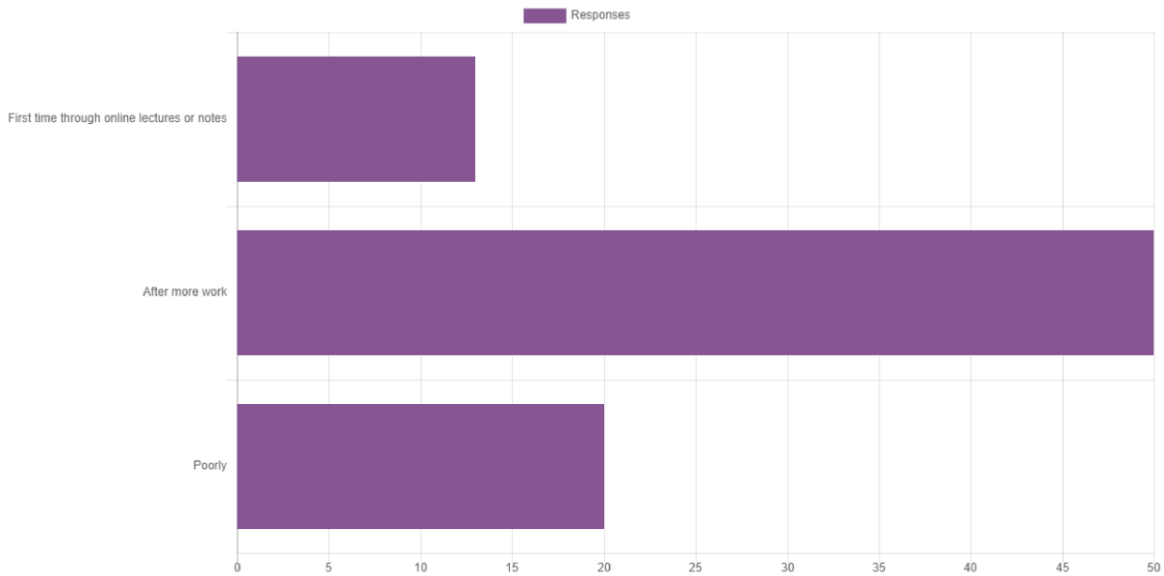
(C) Angular momentum, circular motion



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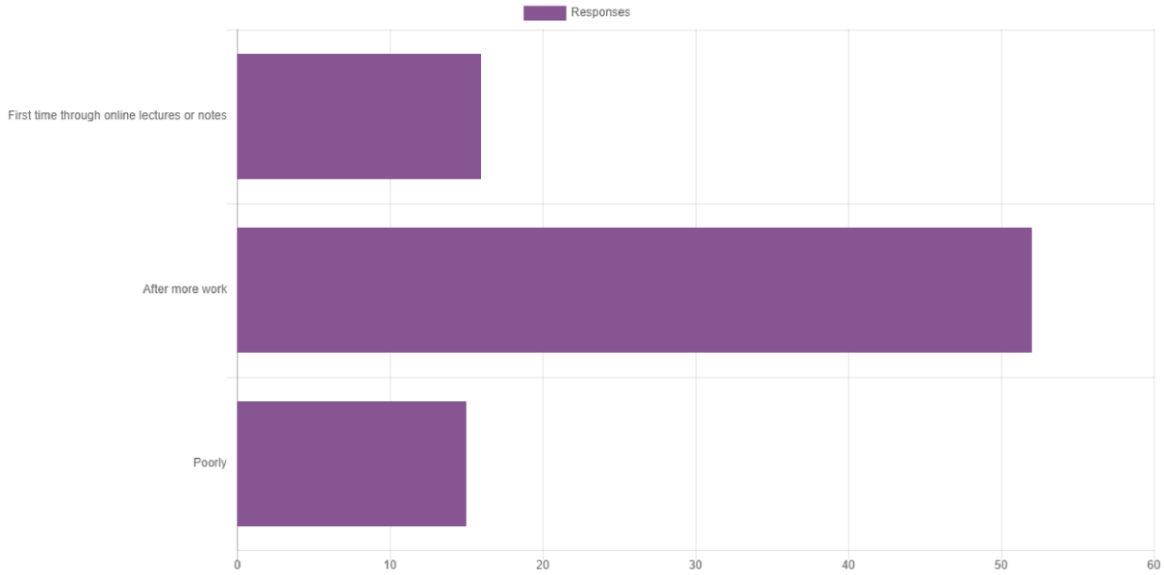
(D) The Lorentz transformations, time dilation etc.



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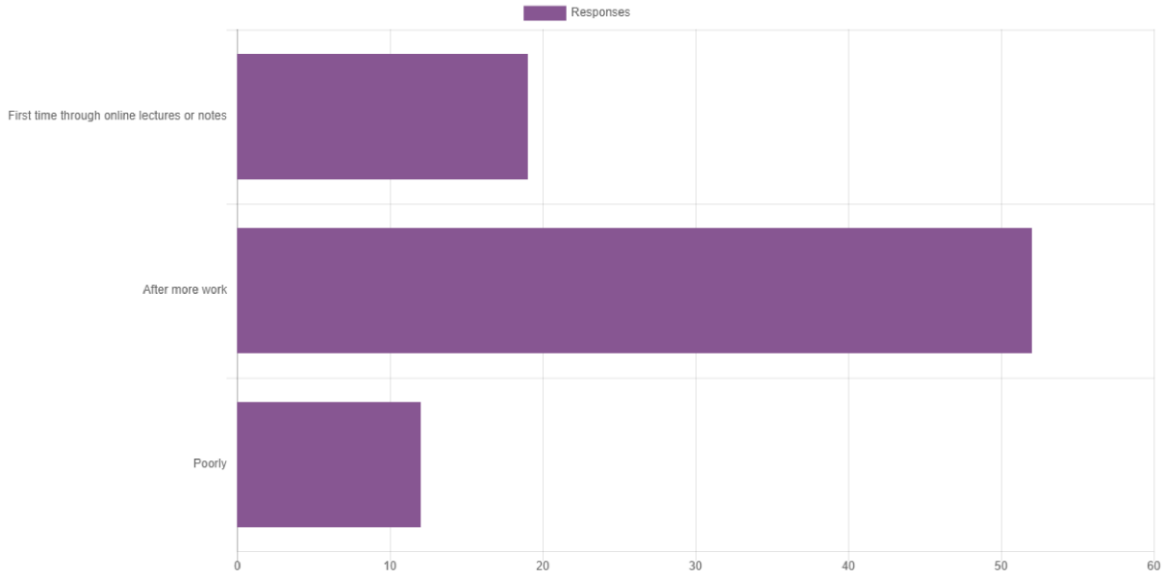
(E) Energy and mass relation



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The best features of this module were:

- Very good lecturer; enthusiastic, funny and really explains what he is doing when solving a problem and doesn't just assume you know what he is talking about. Constantly refers to previous material and recalls old concepts by stating how they apply to the current problem. Great connection with the students and has been the best Physics lecturer I have ever had!
- Special relativity
- Weekly pre-recorded material split into small chunks.
- David himself.
- The spacemen on rulers, and other practical demonstrations!
- Some of the applications
- The pre-recorded lectures
- Really enjoyed the teaching of this moodle and made the whole moodle very enjoyable and very understandable. Felt as if we could ask any question and would answered very quickly and clearly.
- The LEGO astronauts!
- Great lecturing
- I found the diagrams to be the most useful way for me to learn, especially using a real world example so that I could understand the context
- Collisions, Newton's Laws and work/energy.
- the way examples were explained to us
- Classical mechanics was taught perfectly!
- The problem sheets, and the way David Quigley explains things!
- Special relativity
- The wind up car doing that epic spin.
The content was good fun too.
- Quality of recording.
- David Quigley
- Relativity
- Professor Quigley
- The demonstrations and examples helped to clarify the content and made them much easier to understand.
- I liked the lecturer, also the visualisation of certain things (with the lego characters, or with the cylinders rolling down the slope). The electronic notes were also quite useful.
- clear lectures and notes

- Enjoyed Newton's Laws.
Typed notes were very helpful.
Problem classes were very helpful.

- The method of presentation of material was clear and easy to follow.

- Mechanics, all.

- The videos - fun to watch, and everything was clearly explained. I enjoyed angular mechanics, but definitely need to revisit it

- the content to learn

- Special Relativity - I love Einstein's theories, however they are quite difficult to grasp. Gutted we aren't studying GR until Year 4.

- interesting topics and a really good lecturer

- special relativity

- Since they were completely new to me, I found the topics on special relativity the most interesting.

- I loved the relativity especially the extra content at the end. The concepts of relativity were explained very well. In terms of mechanics I understood the concepts well such as conservation of angular momentum etc.

- Organisation of the whole module, so the combination of pre-recorded videos, live lectures and problem sheets.

- General Relativity

- Lectures were entertaining.

- The videos, a good consistency of length of videos per week.

- Online lecture videos explained things really well

- twin paradox explaining parts of interstellar

- The lecturer is great at explaining the content.

- relativity

- Special Relativity

- The demonstrations and brevity of the videos made it easier to focus and understand the content, and if I need to recap the content the titles on the videos are clear and make it easy to do this. The videos are enjoyable and help things feel a little more normal in this abnormal term.

- Asynchronous lecture material was excellent. I very much appreciate that it was always made available on Monday where some of my modules trickled out bits day by day. Also, using the live sessions for QnA works nicely. And making the problem sheet answers available by the next week is great compared to most maths modules never releasing answers :(

- I was able to appreciate classical mechanics more as previously I had thought it to be boring and tedious. Concepts such as time dilation and length contraction were what got me interested in physics in the first place and getting a mathematical understanding for these concepts was challenging yet exciting. David Quigley's sense of humour made watching the lectures even more enjoyable.

- The notes were clear and the video movies of some of the concepts visualised were helpful.

Any particular aspects/items needing improvement (and suggestions how):

- Too much content in a given week. Very difficult to finish content in the two recommended days and balance this with mastering and problem sheets.

- The live sessions were poorly timed with the tutorials (just before) so often couldn't watch them live

- i felt that torques could be explained in a more easy to understand way. The whole topic seemed to be really rushed through despite it being one of the hardest

- for people that didn't do a level physics it would be good if you could explain the stuff we would have missed

- With special relativity, it would be helpful if we were directed to more resources which explained things in a lot ore detail, if students didn't understand the lectures or the notes

- Special relativity as a whole, hard to understand at times.

- For maths students taking this course, being able to hand in some work and get feedback on our answers would have been helpful.

- Problems classes for maths students to discuss problems

- personally, I found the conservation of momentum and energy challenging.

- Some videos were too long and hard to focus on making it hard to complete them by the wednesday live session

- As a maths student, not getting feedback on the problem sheets made it hard to know if I actually understood the content.

- I think that more could have been said on central forces, and maybe forces in non inertial frames.

- I think that this module is good for the most part, so no.

- the notes are a bit hard to understand and so is the lectures

- Sometimes some things were talked over in the lectures in detail but the notes written down were quite brief and bare. Possibly write in more detail, especially about assumptions in derivations.

- Describe the steps in between more thoroughly, concise explanations.

- I still struggle with moment of inertia. It involves me re-learning integration and how to integrate over a shape.

- Definitely not!

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- Perhaps annotating equations a bit more clearly, as I didn't understand what some of the symbols were representing at times

- A copy of the textbook for maths students would be great.

- It would be great if problem sheets could be marked weekly (Maths student) - I haven't been keeping up with them due to core modules taking priority, but I would have done if this were the case.

- It would be useful if the mastering physics quizzes had the same deadline as the problem sheets as this would give a little more flexibility around when to do assignments. Also some direction in where to find extra worked through examples may be useful.

- Live teaching (not just pre-recorded videos for teaching new content)

- Perhaps if the questions and answers from Q and A sessions could be written up - attending for a whole hour felt like a poor use of time when there was nothing to ask but feel like I may be missing out on some other insights by not attending/watching back.

Any other comments:

- An interesting but one of the hardest module this term, overall well organized.

- Perhaps provide more support to maths students.

- A good introduction to university physics.

- n/a

- PX148 helped me (as a maths student) a lot building up physics knowledge that I think I have missed in high school! Thank you!

- Perhaps if we could easily see which topics would be covered in what weeks (or at least what order if you don't know exactly which weeks at the start) then time management could be better for the student (e.g. seeing a topic that they're comfortable with in a few weeks means more time to cover anything currently finding difficult and hence less stress)?

- As a maths student, I really liked being able to continue physics from A-level in this module, even if you do sometimes write stuff like r=infinity. Thanks very much, this module was great!

- na

- A lot was explained but examples of how things learnt could be examined would be very useful

- Adapted well to the circumstances, and videos were always very useful.

- The relativity part of the module was very interesting and philosophical in its nature. I think it was a great addition to the module. I am now considering taking general relativity module in year 4. Additionally, kudos for using Lego astronauts to explain some of the relativity concepts :)
Kind regards

- I very much enjoyed the module.