

PX262:Quantum Mechanics and its Applications

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Module questionnaire 20/21 (PX262 Term 1)

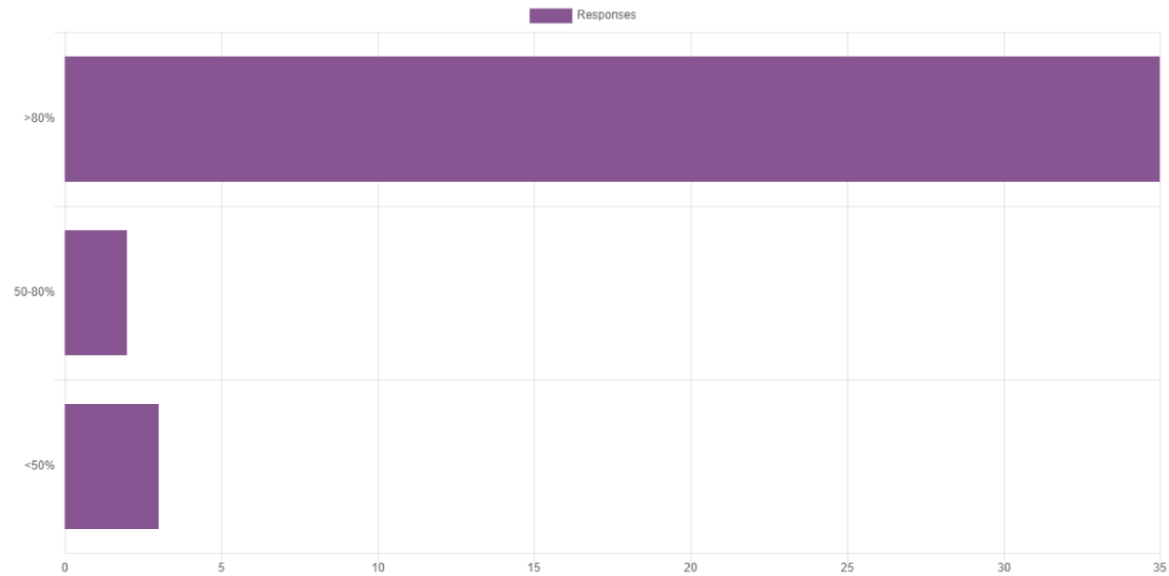
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Submitted answers: 41 / 218

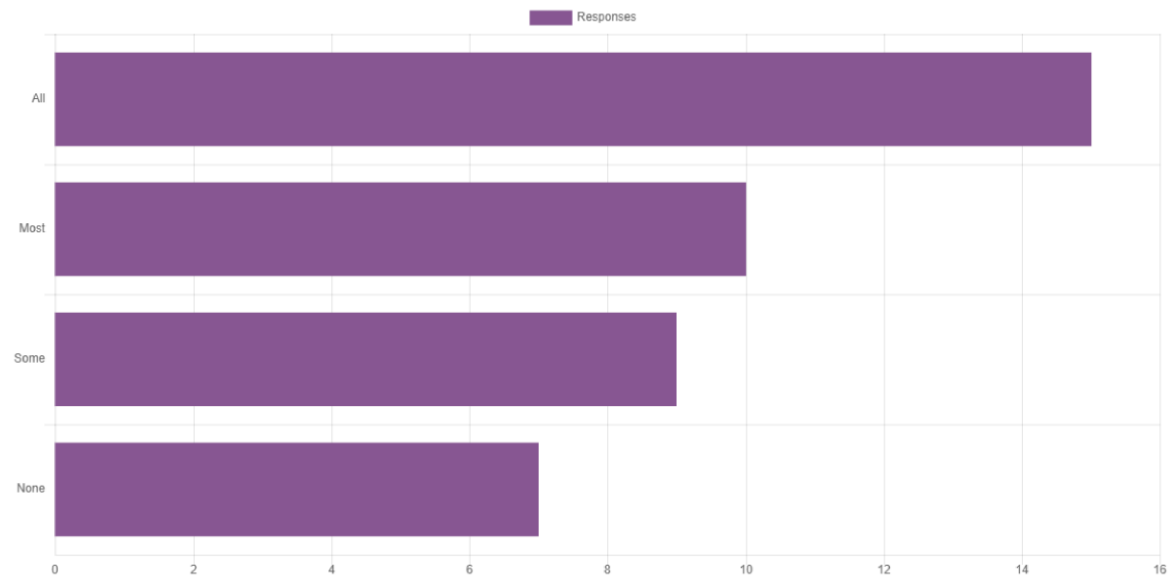
Questions: 19

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



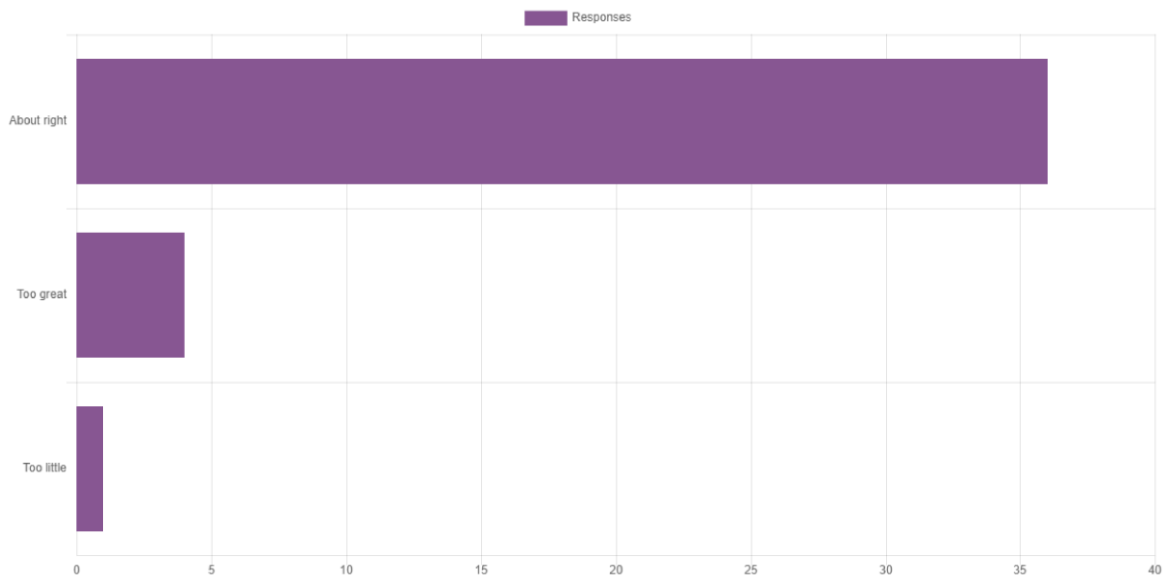
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(Q2) I attended (...?) of the Live events for this module



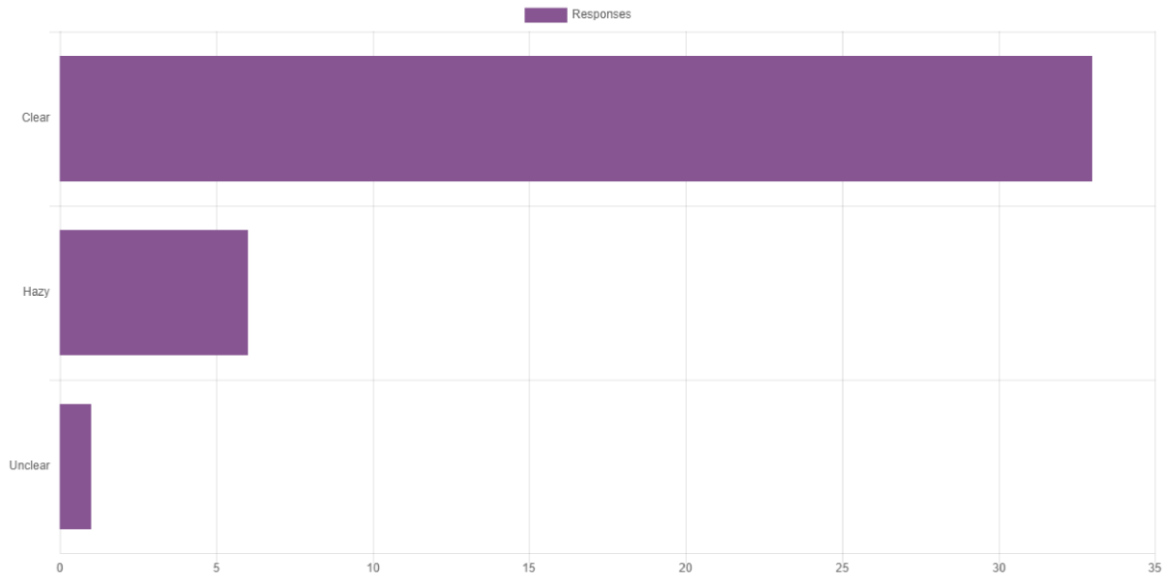
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(Q3) The quantity of material was



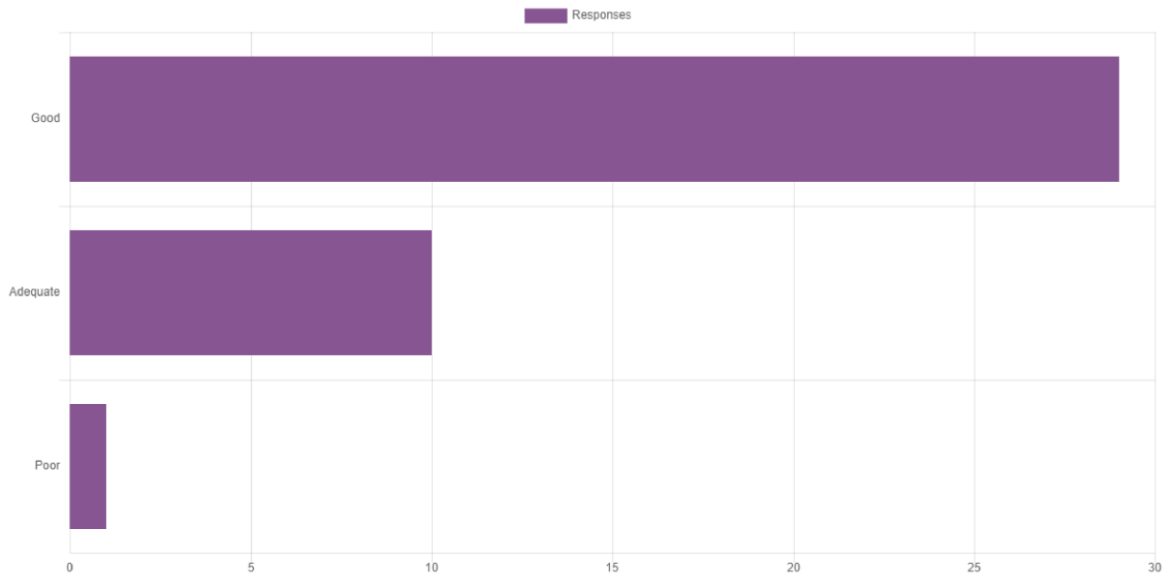
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(Q4) By the end of the module its purpose and direction were



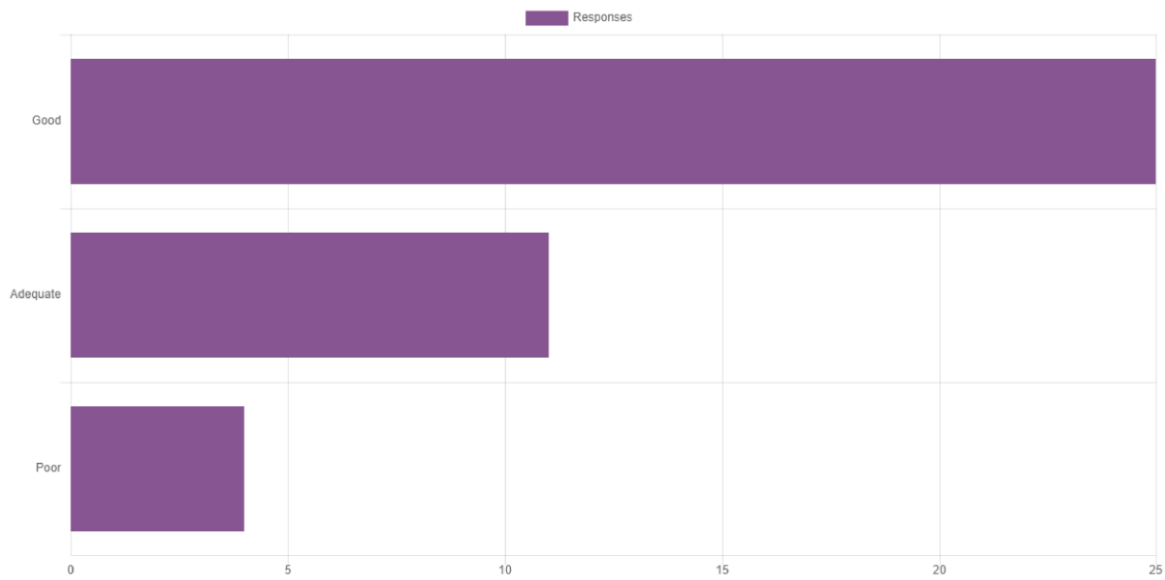
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(Q5) Explanation of new terms and concepts was



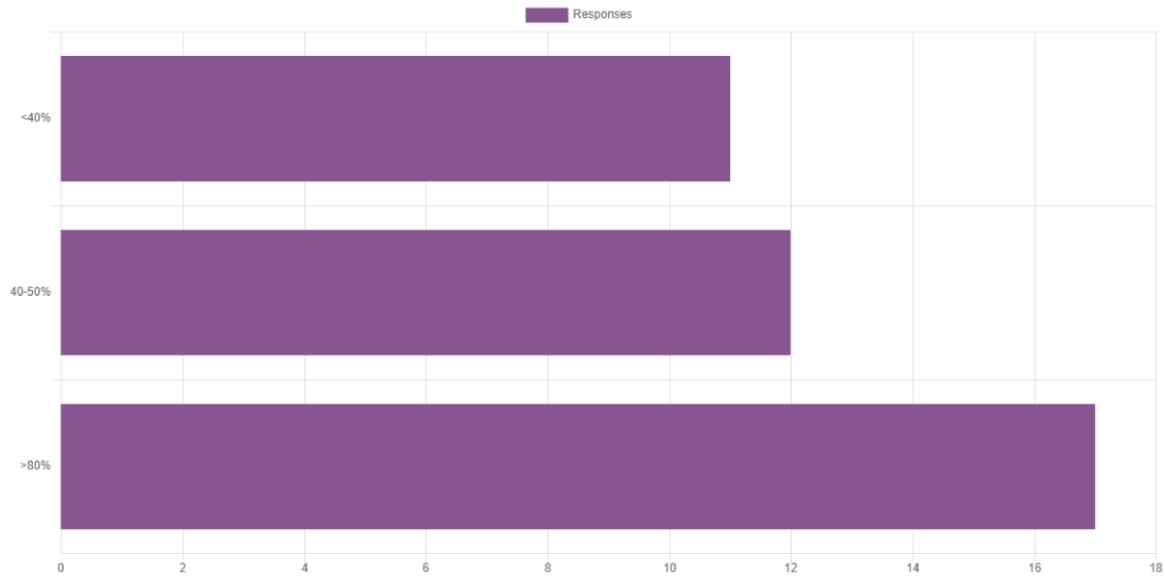
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(Q6) I have a (...?) set of notes



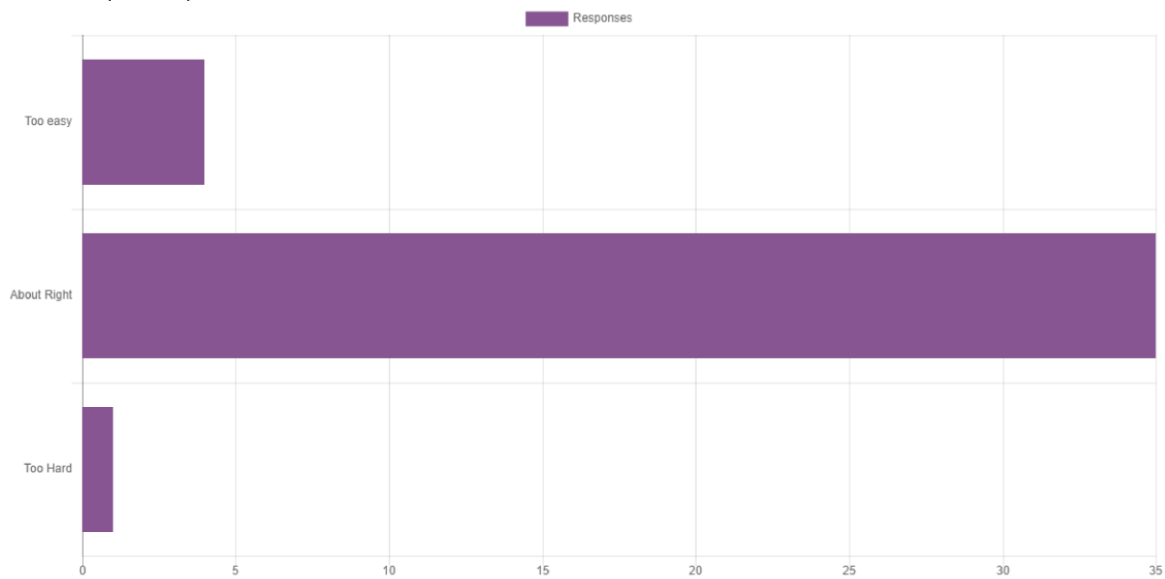
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(Q7) I attempted (...?...) of examples sheet questions



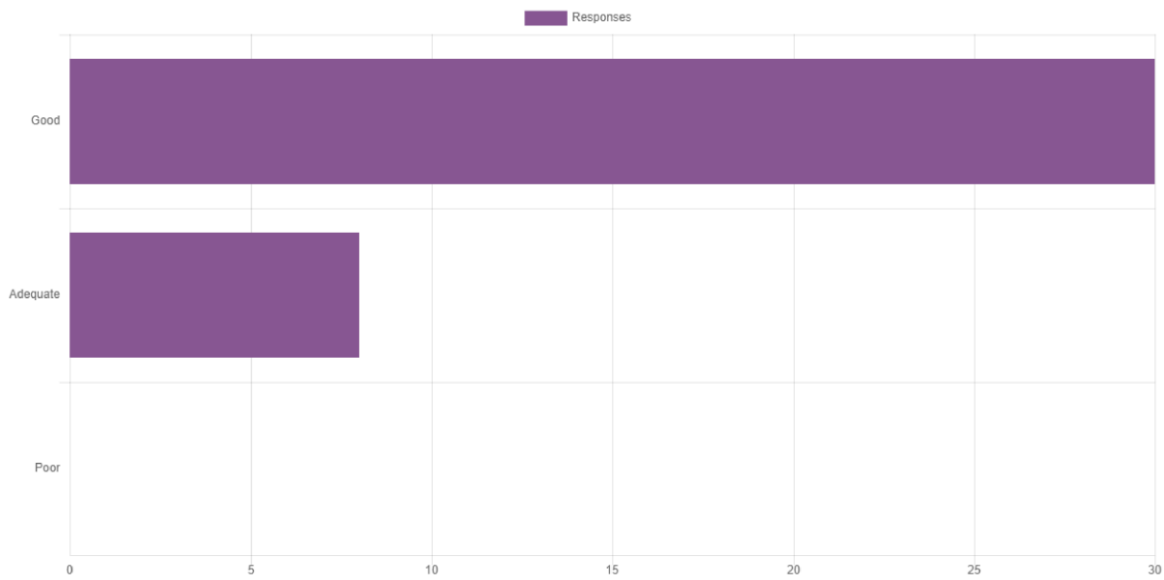
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(Q8) The examples sheet questions were



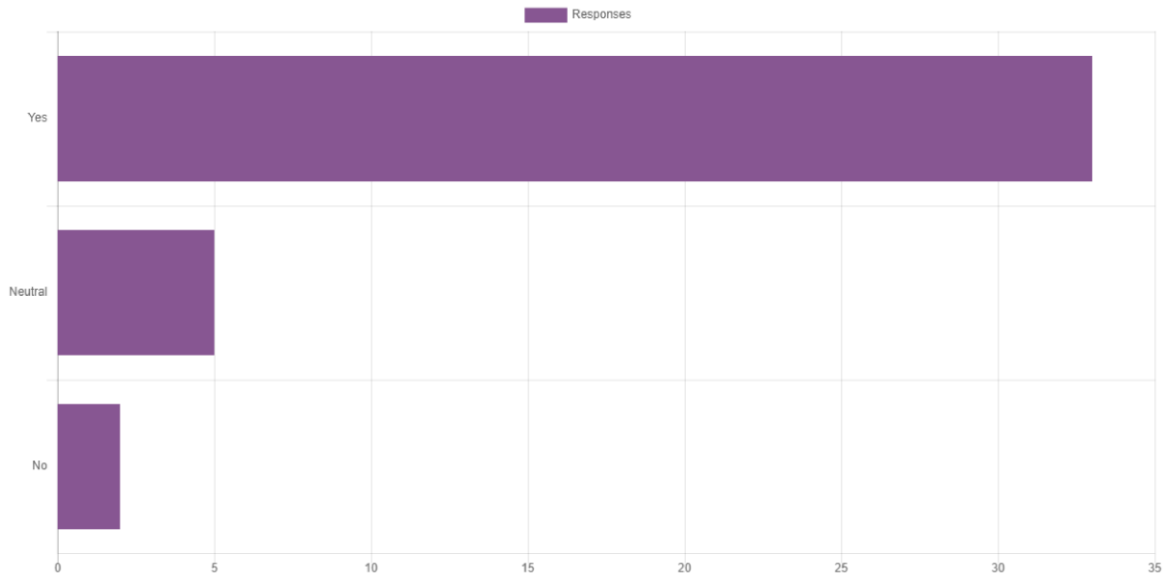
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(Q9) Promptness of feedback on submitted coursework was



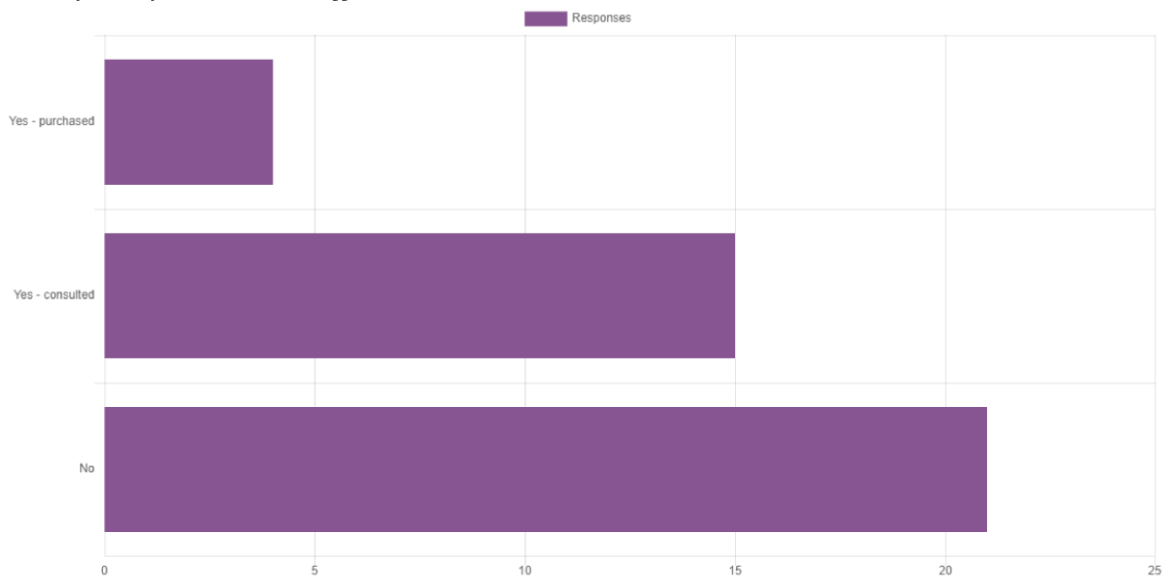
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(Q10) Would you like a course taking this subject further ?



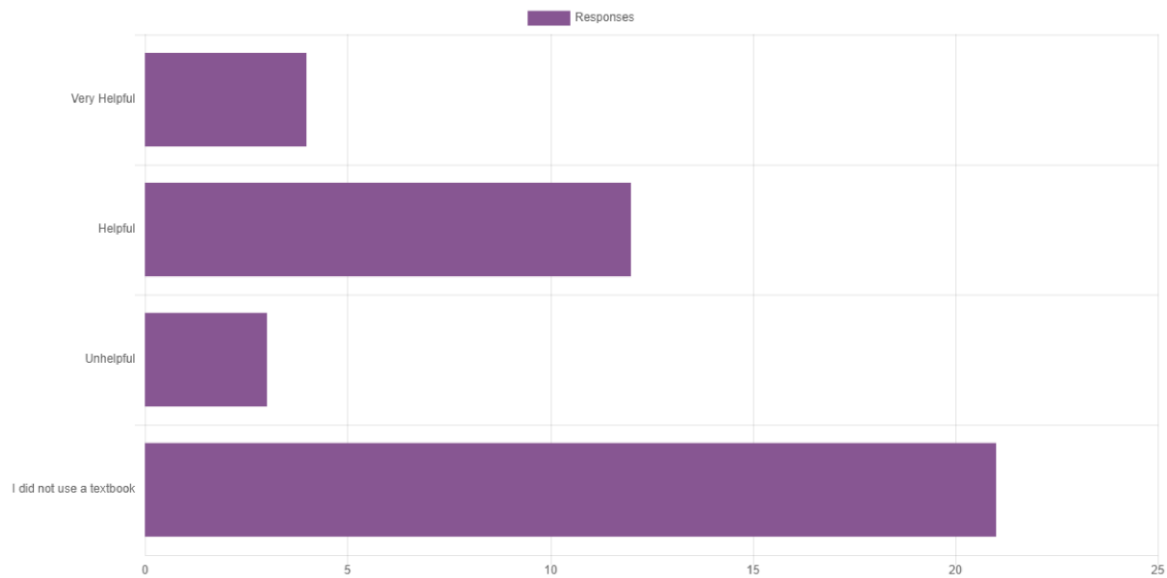
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(Q11) Did you use any of the recommended/suggested textbooks?



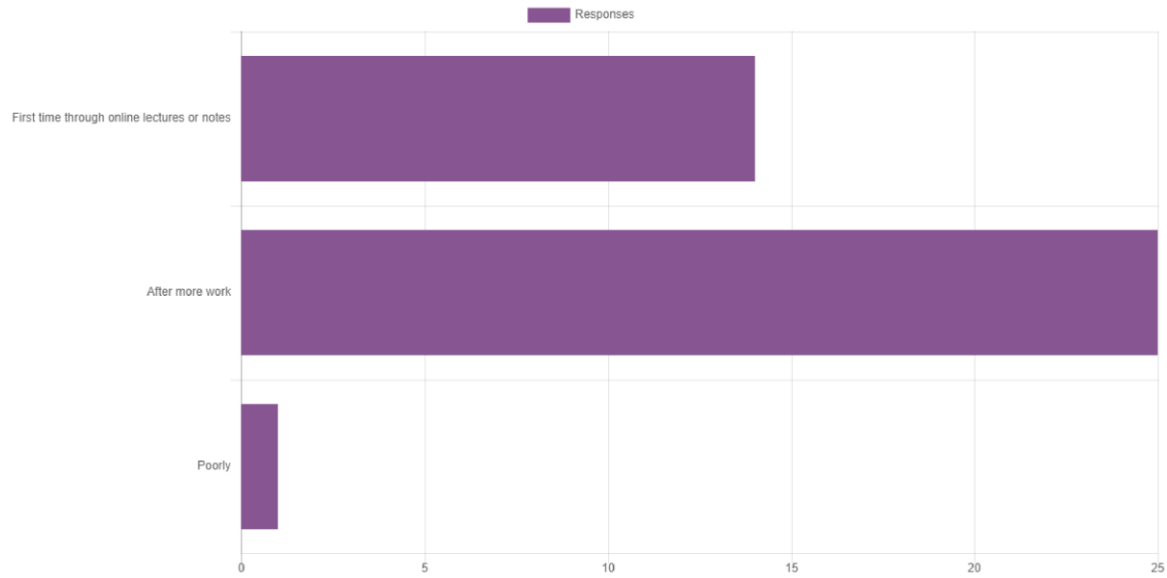
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(Q12) I found the textbook(s) used to be



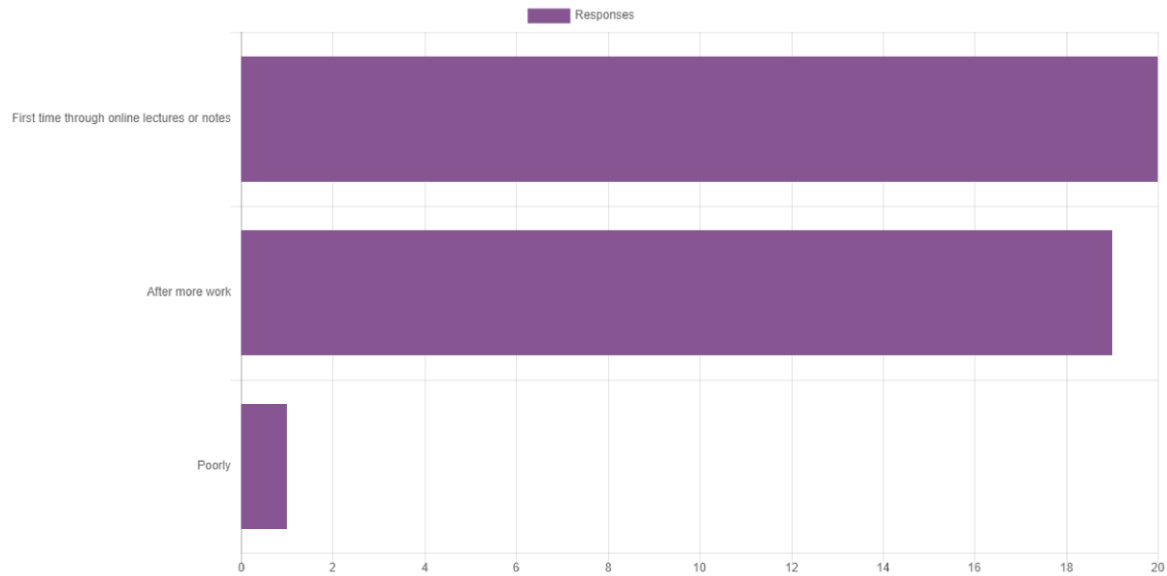
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(A) Hydrogen atom



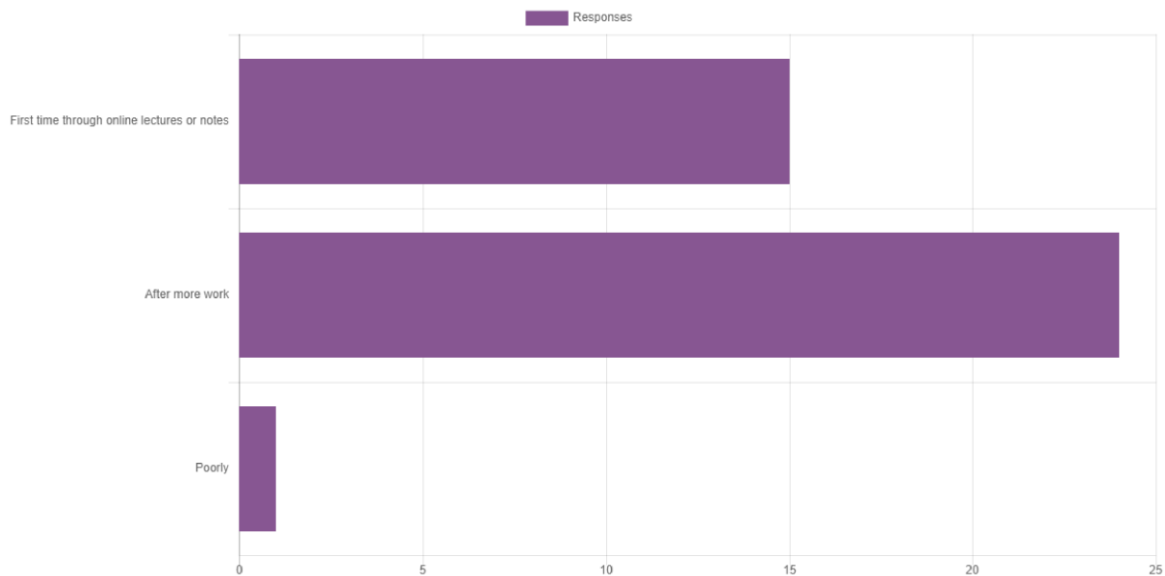
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(B) Operators and eigenvalue equations



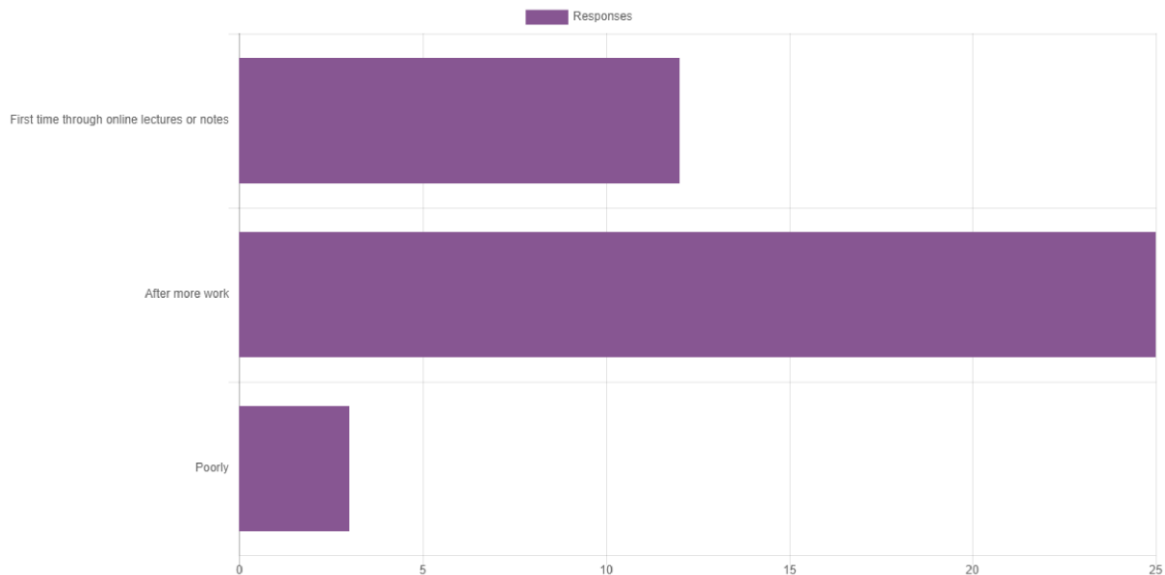
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(C) Angular momentum



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(D) Harmonic oscillators



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The best features of this module were:

- The live sessions were helpful and entertaining. The XPS one was useful too. The textbook recommendations were good though I preferred the Berman to the Rae.
- Gavin Bell! The content was also remarkably interesting
- Gavin made the module fun and something I looked forward to doing each week. His personality came through in the live events, while still covering the material. This led to quantum being the only live event I would actually watch live rather than the recording as it was the most interactive.
- I liked the way the module was presented, some stuff was presented as pre-recorded videos and some in a written format that was understandable.
- I have really enjoyed the more formal approach to QM given in the last few weeks of the course.
- The lecturer, Gavin was a quality lecturer.
- Very interesting concepts
- Clear pre-recorded lectures that explained the content well.
- I really liked learning the postulates of quantum mechanics and understanding the underlying maths covered. The structure of the course made it easy to follow
- Moodle textbook was very well structured and clear and easy to understand. Content wasn't too difficult, but extremely interesting. Lectures were clear. Best lecturer ever shout out Gavin.
- The addition of the moodle book to the lectures helped easily show where we were in the module and made the weeks topics clearer
- The workbook format is really good and useful both when it comes to revision and learning it for the first time in order.
- The Moodle book notes making it easy to follow through
- Engaging content
- Engaging live lectures
- Live session was useful and engaging.
- Problem questions and key questions really useful for understanding
- It was so fun to learn. Everything was very clear where it was coming from and the enthusiasm of Gavin was intoxicating! It made me excited to start every lecture and sad when every lecture ended!
- The Quis simulations were helpful in visualising certain topics. I also enjoyed the live lecture on using XPS to identify an unknown material.

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

- A full set of typed notes. Moodle book was not a good resource to learn from.
- I found some of the initial lectures about the TISE and the maths a bit confusing
- The first section of the course felt like a long list of facts because we didn't work through any of the proofs. But that did all make more sense when we reproved those bits later in the course using operators. I think in general I prefer the content being given in short lectures rather than in the text in the moodle book but that's personal preference.
- XPS PowerPoint presentation tedious to navigate since there was no way to go back a few seconds in the audio without restarting the whole slide.
- Material could have been released earlier so that there wasn't so much to cover in the last week. Since it would have been nice to have covered everything before the final live session.
- more in person lectures where we can ask questions - post covid times though, this module was run well given the circumstances and I think other physics modules such as Hamiltonian and Environmental could have used a similar format to quantum to better explain their areas
- Not sufficiently rigorous.
- N/A
- The notes were not that clear. I would prefer more use of numbering. I didn't really know what to write down in my personal notes.
- Due to illness there was a discontinuity with the content which made it harder to follow, however I know there isn't much that can be done about this.
- More examples/worked solutions in the online videos.
- Doing this as a Moodle book rather than just set lectures really hindered the course. It's very difficult to take in information by just reading it, I feel like this style of learning really hindered my chances of getting a good grade in the final exam
- Camera Quality was poor at times and written notes often hard to find or uploaded later than the lecture
- unclear how much of the content was expected to be drawn from the recommended textbooks and how much from the lectures (/notes)
- The quizzes were very helpful so more of them would be nice.

Any other comments:


- I'm sad to see the end of our time with Gavin. He is a brilliant lecturer who has brought out a love and wonder of quantum mechanics in me
 - Diagrams are always extremely helpful!
 - This has been my favourite module this term mainly due to Gavin's fun teaching style which helps with complex ideas!
 - The one pagers are very well explained
 - Thank you very much.
 - Fun module.
- Moodle book for most information with lectures for derivations and more in depth topics is a good way to do things in my opinion.
- The lecturer is awesome and made the course really fun :)
 - This has made me gain a massive passion for QM that I never knew that I would have!
 - I have really enjoyed the module this term. Thank you Gavin.
 - no
 - Made difficult concepts interesting and I enjoyed it in general. Thank you.

[← Module feedback questionnaire 20/21 \(PX262 term 2\)](#)
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