





Responses: **28**






Module Feedback Questionnaire

Thank you for submitting your feedback on this module - the results will be collated and the information viewed by the module leader and the Education Committee and can help to improve the experience of students taking this module in future.





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

Response	Average	Total
>80%	 79%	22
50-80%	 18%	5
<50%	 4%	1
Total responses to question	 100%	28/28



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

Response	Average	Total
All	 14%	4
Most	 7%	2
Some	 43%	12
None	 36%	10
Total responses to question	 100%	28/28



3 The quantity of material was...

Response	Average	Total
About right	 78%	21
Too great	 15%	4
Too little	 7%	2
Total responses to question	 96%	27/28





4 By the end of the module its purpose and direction were...

Response	Average	Total
Clear	 33%	9
Hazy	 44%	12





[At](#)

Response	Average	Total
Unclear	 22%	6
Total responses to question	 96%	27/28





5 Explanation of new terms and concepts was...

Response	Average	Total
Good	 25%	7
Adequate	 54%	15
Poor	 21%	6
Total responses to question	 100%	28/28




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

Response	Average	Total
Good	 30%	8
Adequate	 48%	13
Poor	 22%	6
Total responses to question	 96%	27/28

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

Response	Average	Total
<40%	 33%	8
40-50%	 25%	6
>80%	 42%	10
Total responses to question	 86%	24/28

8 The examples sheet questions were...

Response	Average	Total
Too easy	 10%	2
About Right	 86%	18
Too Hard	 5%	1

Response	Average	Total
Total responses to question	75%	21/28

9 Promptness of feedback on submitted coursework was...

Response	Average	Total
Good	59%	13
Adequate	27%	6
Poor	14%	3
Total responses to question	79%	22/28

10 Would you like a course taking this subject further ?

Response	Average	Total
Yes	61%	17
Neutral	29%	8
No	11%	3
Total responses to question	100%	28/28

11 Did you use any of the recommended/suggested textbooks?





Response	Average	Total
Yes - purchased	15%	4
Yes - consulted	38%	10
No	46%	12
Total responses to question	93%	26/28

12 I found the textbook(s) used to be...





Response	Average	Total
Very Helpful	11%	3
Helpful	33%	9
Unhelpful	11%	3
I did not use a textbook	44%	12
Total responses to question	96%	27/28

I understood the following main topics





13 Hydrogen atom

Response	Average	Total
First time through online lectures or notes	 15%	4
After more work	 77%	20
Poorly	 8%	2
Total responses to question	 93%	26/28





14 Operators and eigenvalue equations

Response	Average	Total
First time through online lectures or notes	 23%	6
After more work	 65%	17
Poorly	 12%	3
Total responses to question	 93%	26/28

15 Angular momentum

Response	Average	Total
First time through online lectures or notes	 15%	4
After more work	 65%	17
Poorly	 19%	5
Total responses to question	 93%	26/28

16 Harmonic oscillators

Response	Average	Total
First time through online lectures or notes	 24%	6
After more work	 64%	16
Poorly	 12%	3
Total responses to question	 89%	25/28

17 The best features of this module were:

Respondent	Response
	The later half of the module introducing the postulates made the theory and meaning of quantum mechanics much clearer, and was very interesting.
	when he talked over a powerpoint presentation
	the mini quizzes
	Gavin and his humor is definitely 10/10.
	QuVis Simulation.
	The ideas presented were very interesting.
	Gavin is a likeable man.
	The lectures and the QVis simulations.
	The content itself
	Clear and enthusiastic presentation! Follows a consistent approach and 'narrative' throughout and the Moodle book and added resources allow for a clearer deep dive if desired. Inclusion of Quvis simulations helps learning the concepts well.
	The charisma of Gavin.
	Quantum Mechanics is a difficult module but Prof. Bell was willing to answer all the questions I asked by email in the life session.
	Learning about electrons.
	The postulates and the formal Quantum Mechanics were well explained. The exam questions provided are very good for practice and revision.
	The weekly computer based quizzes and problems were useful in testing knowledge
Total responses to question	15/28

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

Respondent	Response
	The way lecture notes are done for this module is terrible. There is no complete set of typed notes, just fragments of handwritten notes. I cannot stress enough how much easier it is to learn and revise from a complete set of structured typed notes than from 15 random scans that contain some of the relevant information.
	Set of notes in PDF form would be much more useful than a moodle book. Much harder to revise from. Handwriting also a little unclear.
	(For the online delivery) Switching readily between Moodle book delivery and recording delivery was awkward and meant some information was repeated. Embedded videos would be some improvement.
	Sometimes it was easy to lose sight of what specifically the aims of longer algebraic passages were. Perhaps this could be made more clear by being clearer about the "physical" meanings of each term.

Respondent	Response
	the Moodle book is difficult to use and relies too much on external pdfs which makes collating notes awkward and difficult. A nice latex PDF (which we're more used to) would've been so much better. The lectures not even being corrected from last year just makes the course feel like 0 effort or care was given.
	I don't like the way the module was organised. I think the moodlebook way was a a horrible way to run a module. I'd prefer the old style way of having a set of lecture notes which the lecturer goes through. Overall 1st year with Classical Mechanics had by far the perfect way to run a module. Hamiltonian Mechanics was also good, Quantum tried something new and I believe failed. I don't think continuing with this strategy in the future is wise.
	Handwritten lecture notes should be more organized, i.e. the numbering of sections, subsections, what are the important points etc using bullet points or similar organisation.
	The moodle book shouldn't be a thing, it made the module more confusing than it needed to be.
	The quality of teaching was generally quite poor and completely disconnected at times it felt like. The moodle book and videos and loads of different links way of teaching was not very good.
	I thing that having a typed set of lecture notes to go with the lectures would be really helpful. I think that the notes make the syllabus much more clear and they sort of form the 'skeleton' of the course. In my view even the lectures of the courses that had typed notes were more structured. They're are also great for quickly clearing things up when you forget something.
	Could maybe use some more challenging problems to be tackled at live sessions or released alongside the standard work. I remember the 2018/19 version of the module had the Dalek Bomb Factory problem and more work with representation-free quantum that I didn't see in this year's version.
	The chapters he suggested from the book were too complex for our current knowledge of quantum mechanics.
	Need better notes than the moodle book. And maybe a syllabus. The lectures just aren't enough to learn this hard module. Plus there is soo much content we don't get time to actualllg work through and understand topics.
	dedicated example work through lectures would be very useful
	The moodle book's format made it unclear what is and isn't examinable, with paragraphs or videos explaining a topic and then a sentence at the end saying 'this is not examinable'. It is unclear to what that sentence applies to, and where the examinable content ends. Also the highlighting of some links and not others made the moodle book difficult to use. The camera quality on pictures in the moodle book was poor.
	The mix between lectures and written notes made studying this course more complicated than was needed. I would've found it much more beneficial if there was only lectures
	Louder mic and better quality camera.
	I would of preferred a more formal set of lecture notes even if the video lecture material decreased.
	Lecture quality must be better. Some lectures are inaudible, some are illegible. Direction is not clear in any, and most are littered with arithmetic and conceptual mistakes. Given that most are from last year, I am not sure how it is acceptable that they were not re recorded with better quality and explanation.
Total responses to question	19/28

19 Any other comments:

Respondent	Response

Respondent	Response
I enjoyed the discussion in the final week of the different interpretations of quantum theory. e.g. are wave functions "real"?	
If it wasn't for my personal tutor I wouldn't have had a clue what happened in this module this term, and I watched every lecture (many twice), did every problem/mini quiz/ key question/quvis simulation and read every linked pdf	-
Looking forward to term 2.	
I liked the analogies and examples provided in the lectures.	
Total responses to question	5/28