

PX425:High Performance Computing in Physics

[Dashboard](#) / [Courses](#) / [Science](#) / [Physics](#) / [2020/21](#) / [PX425 \(20/21\)](#) / / [Module questionnaire 20/21 \(PX425\)](#) / [Analysis](#)

Module questionnaire 20/21 (PX425)

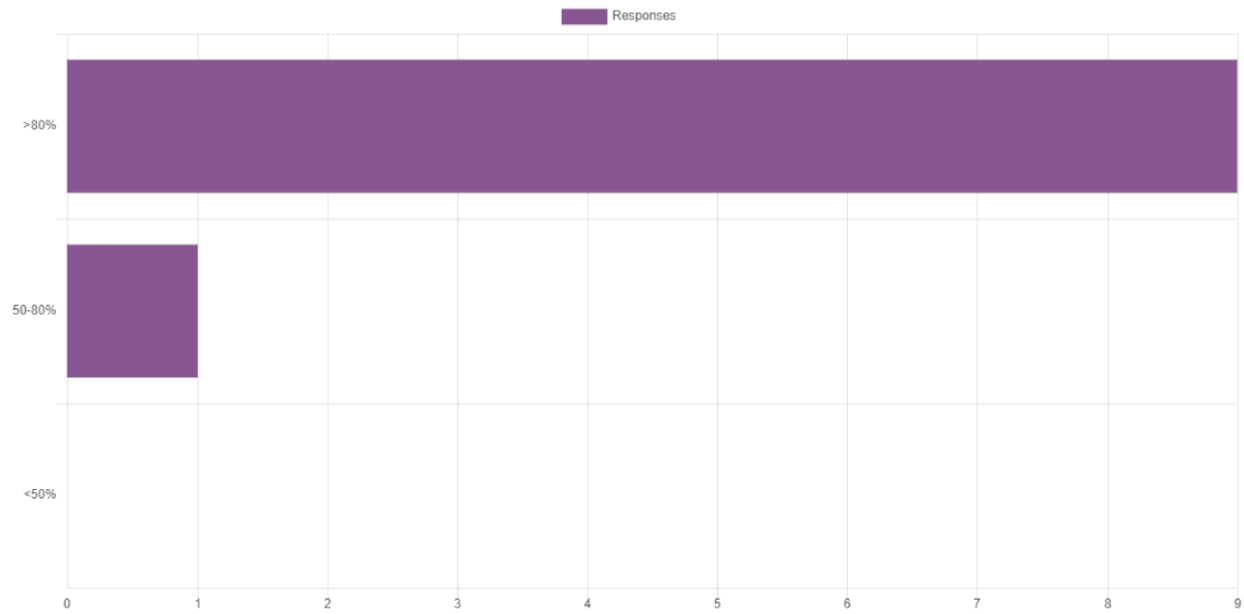
[Overview](#) [Edit questions](#) [Templates](#) [Analysis](#) [Show responses](#)

Export to Excel

Submitted answers: 10 / 29

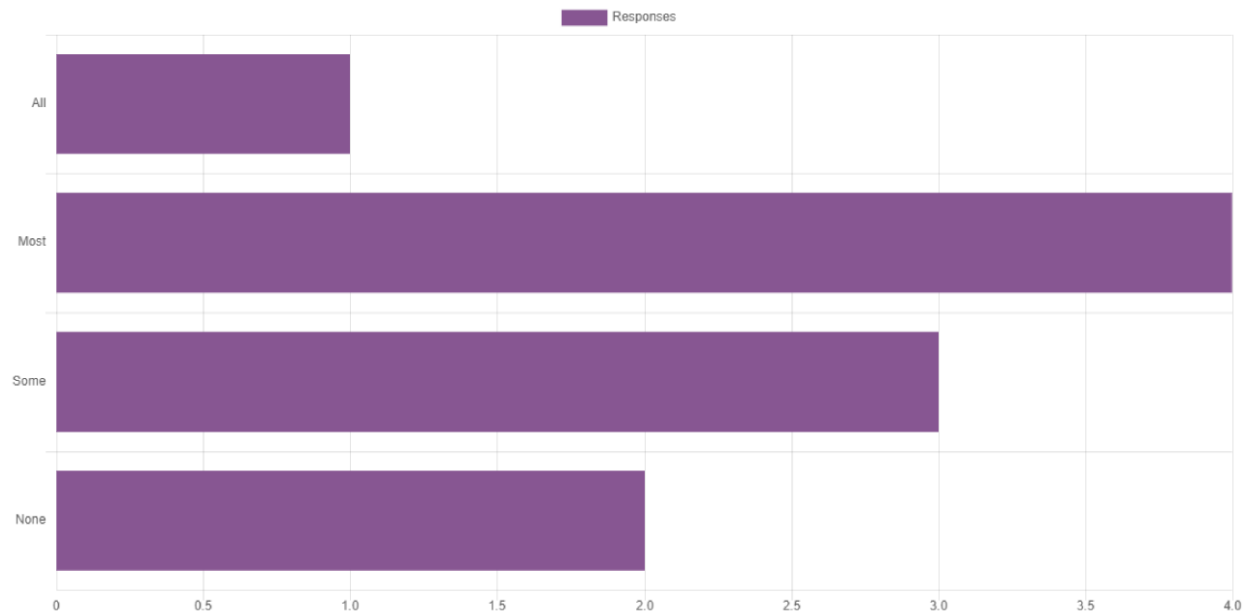
Questions: 20

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



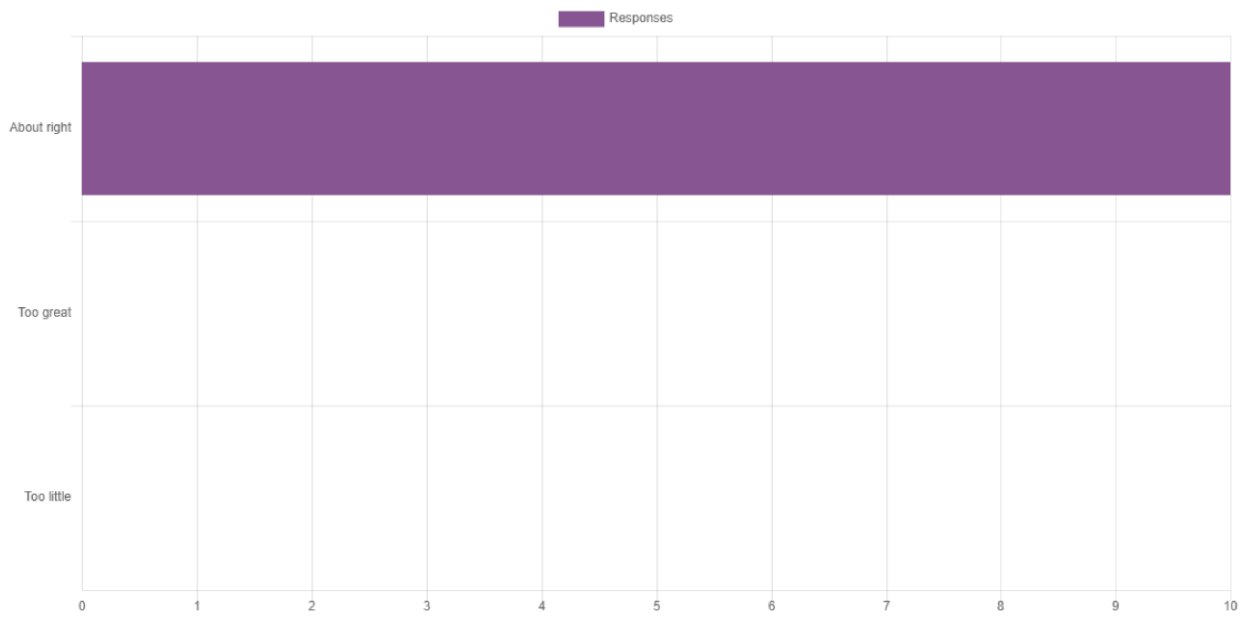
[Show chart data](#)

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



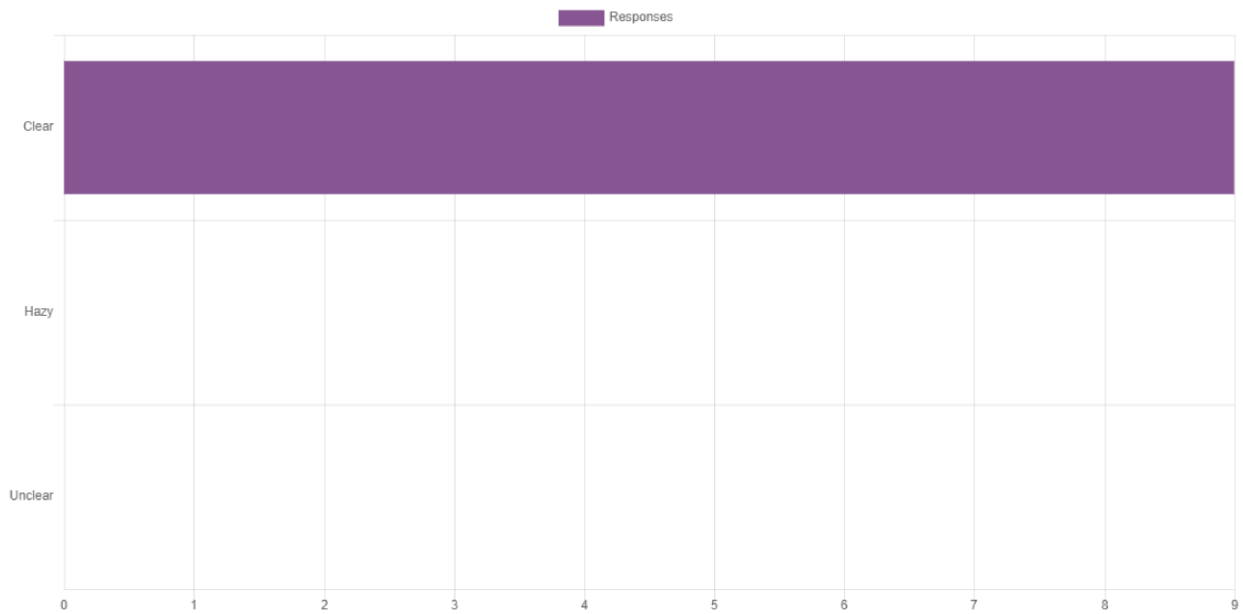
[Show chart data](#)

(Q3) The quantity of material was



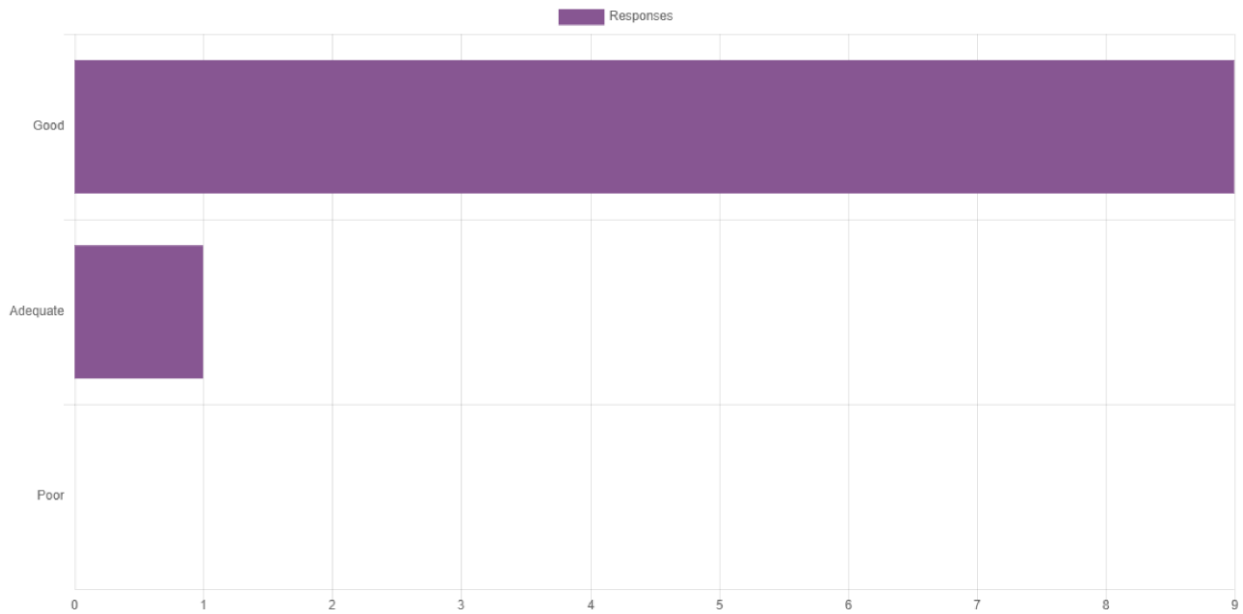
[Show chart data](#)

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



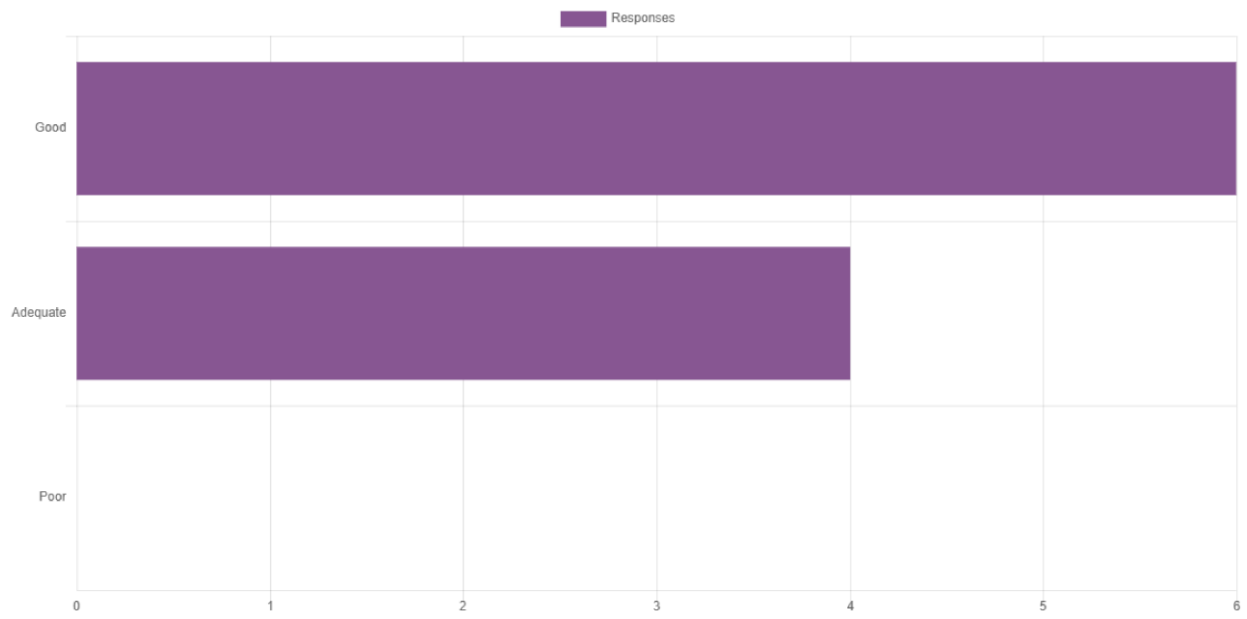
[Show chart data](#)

(Q5) Explanation of new terms and concepts was



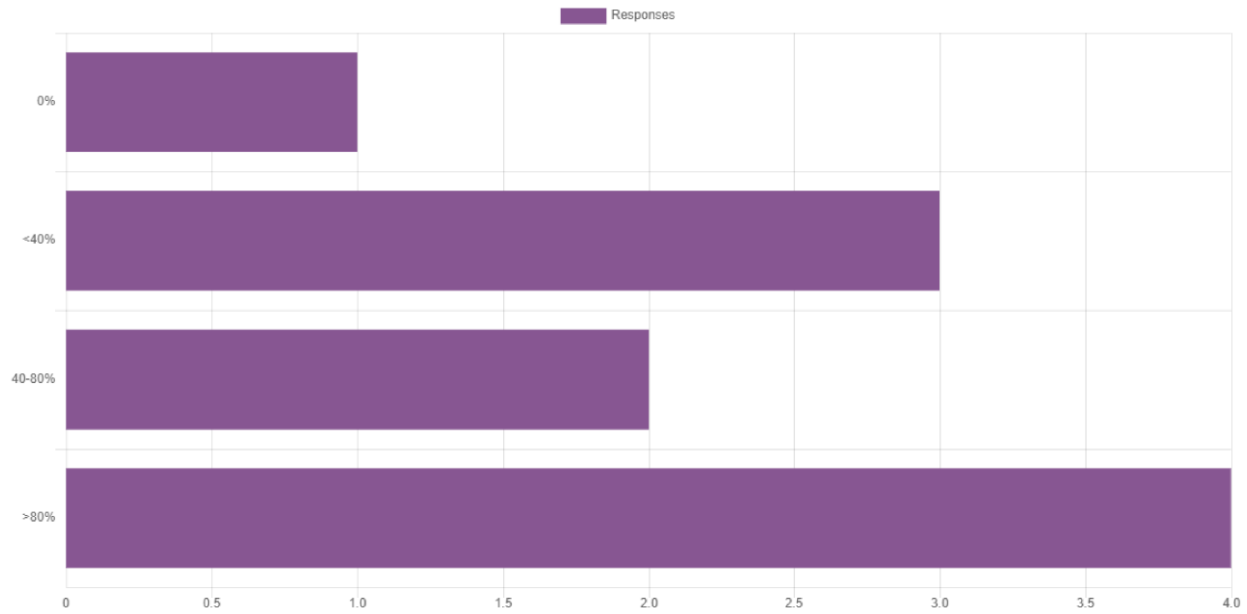
[Show chart data](#)

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



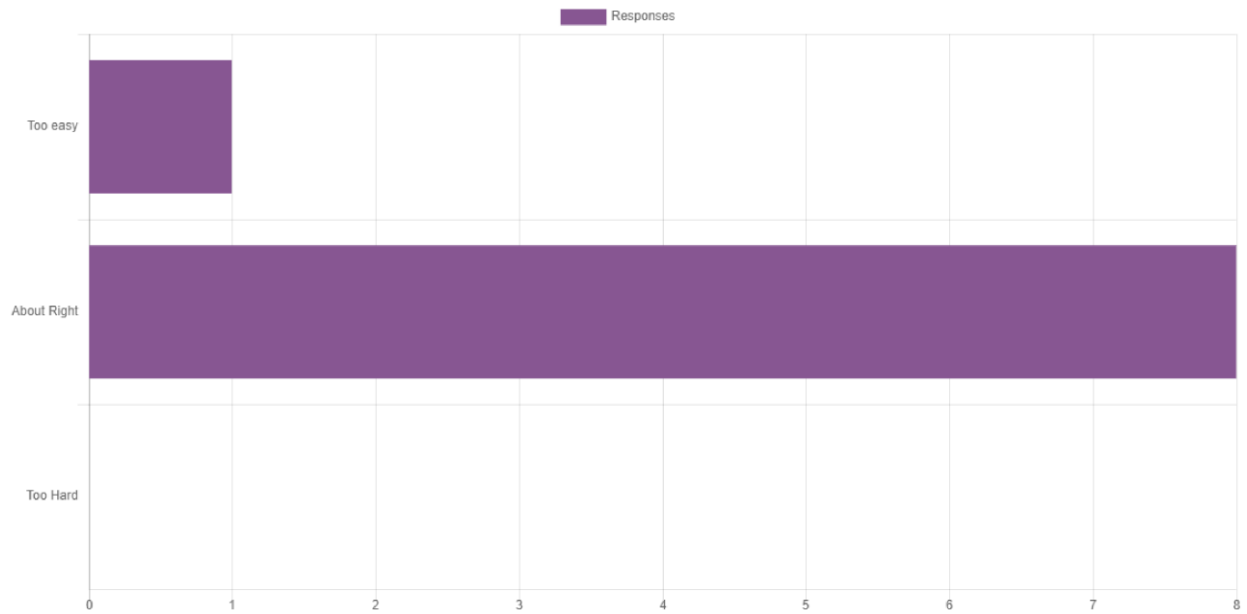
[Show chart data](#)

(Q7) I attempted (...?) of the quizzes



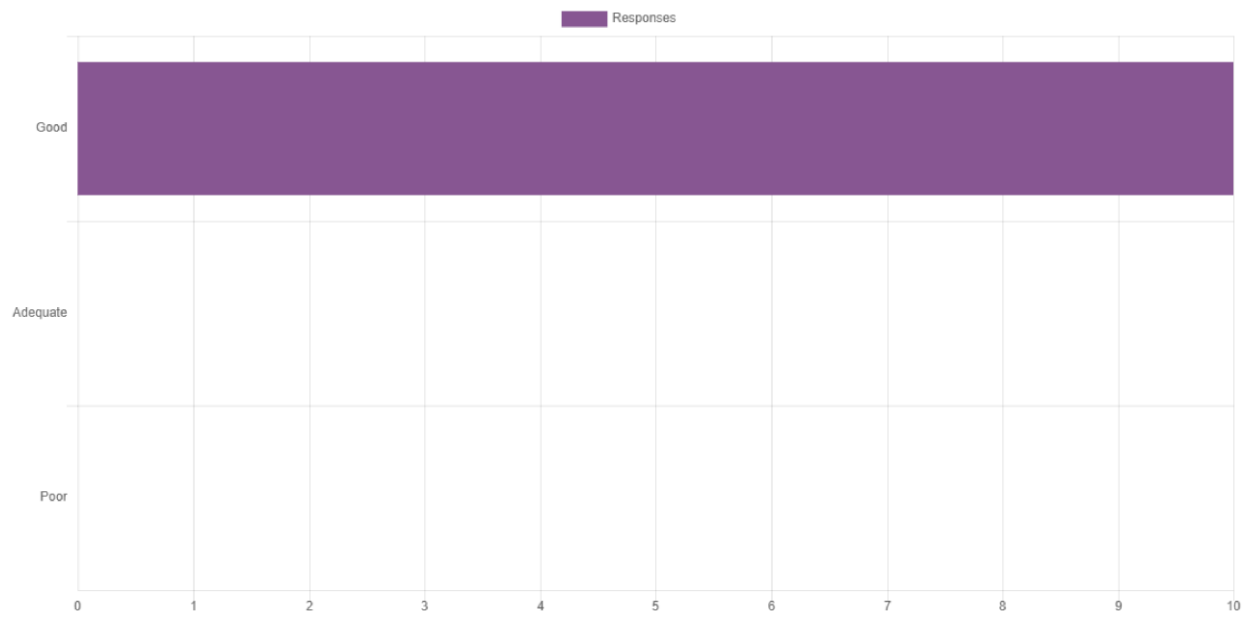
[Show chart data](#)

(Q8) The quiz questions were



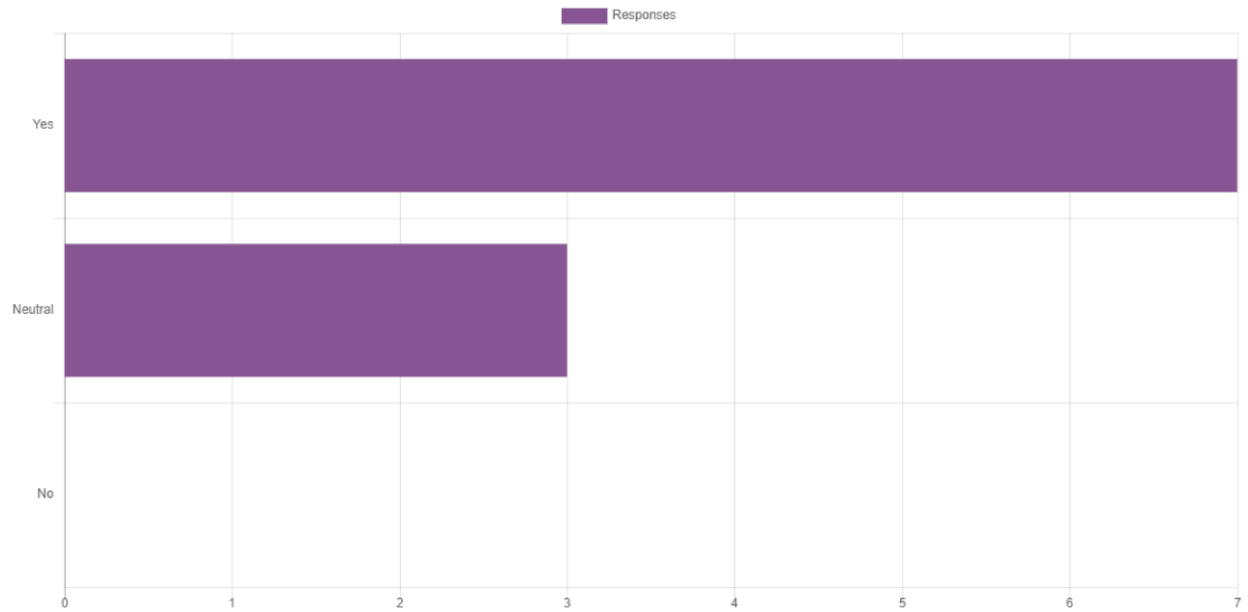
[Show chart data](#)

(Q9) Promptness of feedback on submitted coursework was



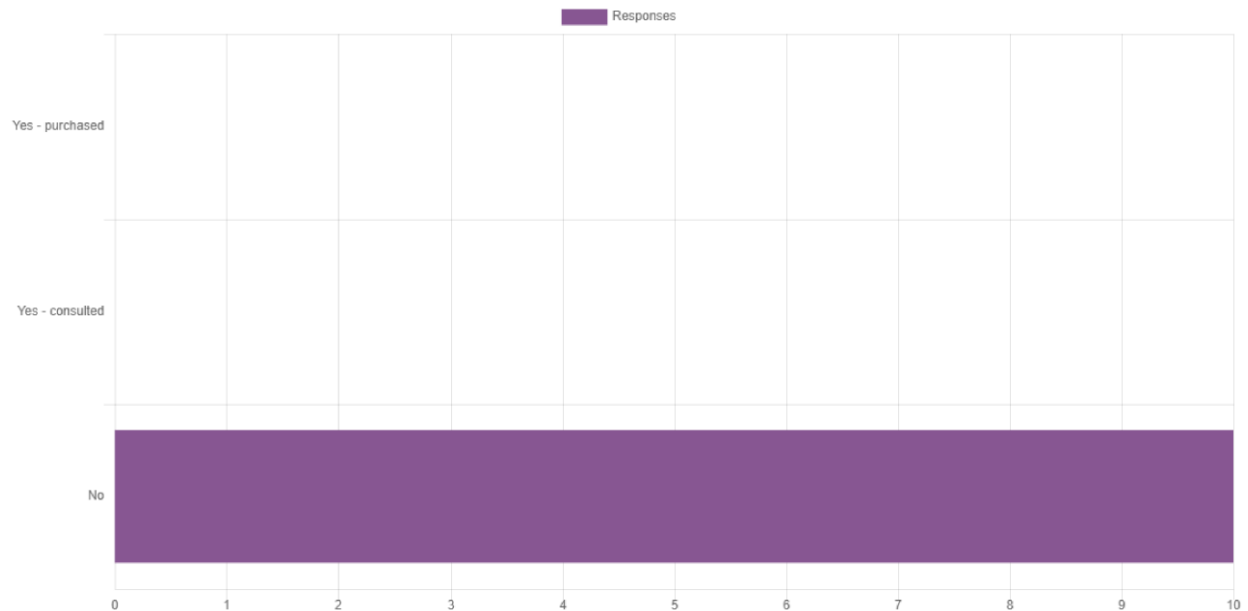
[Show chart data](#)

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



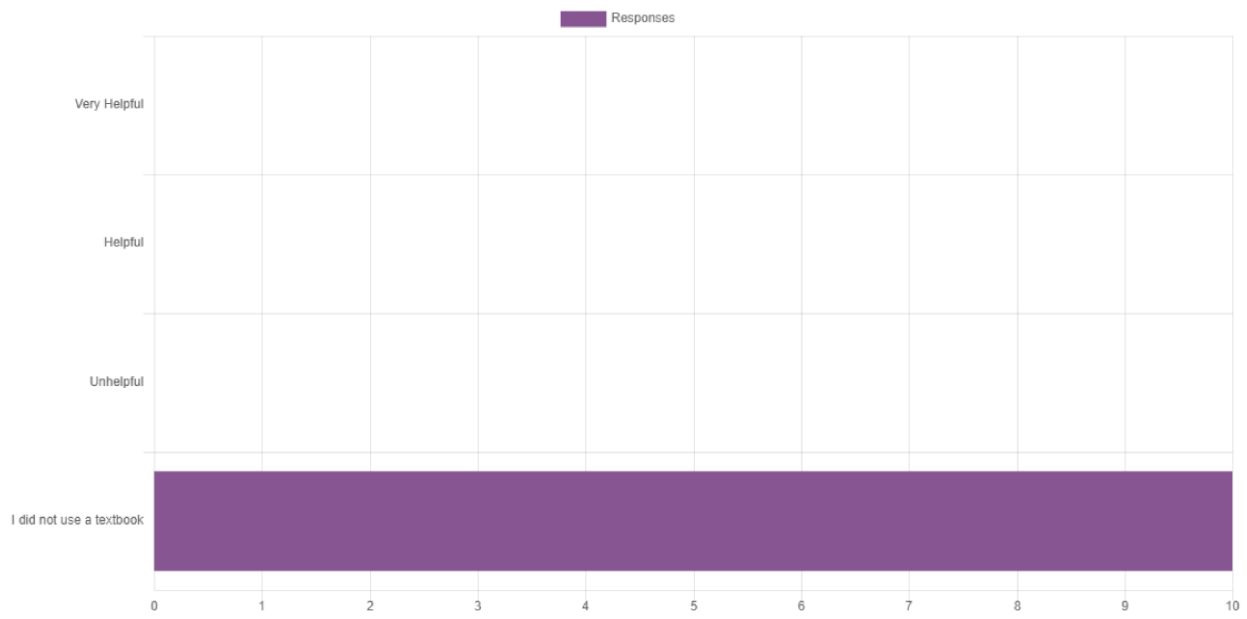
[Show chart data](#)

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



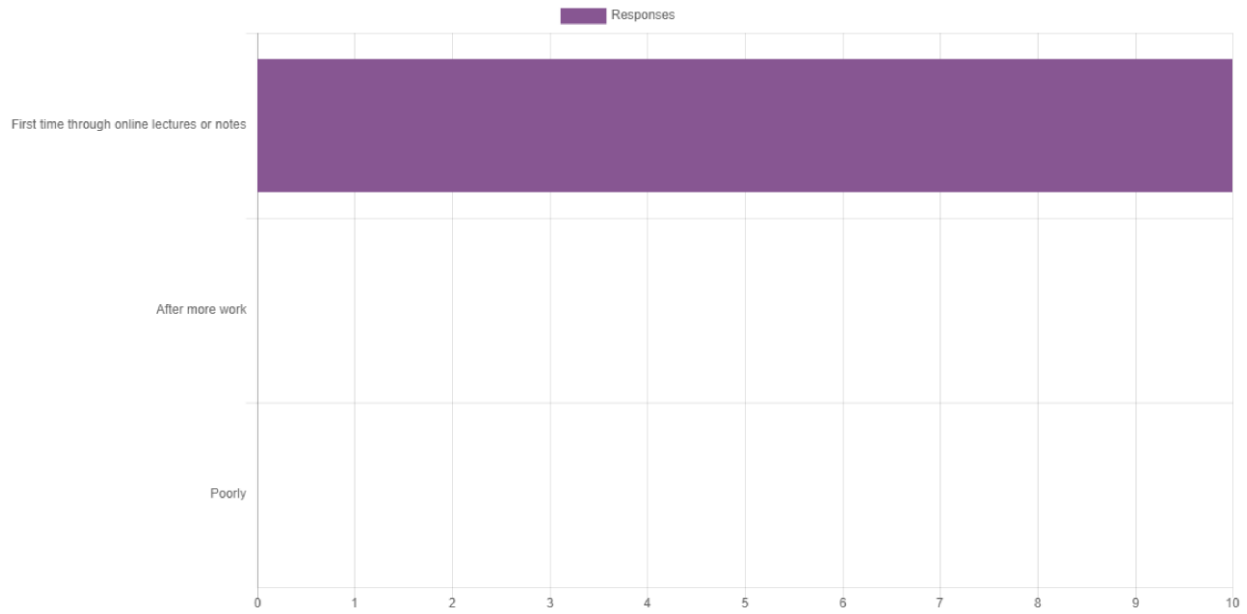
[Show chart data](#)

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



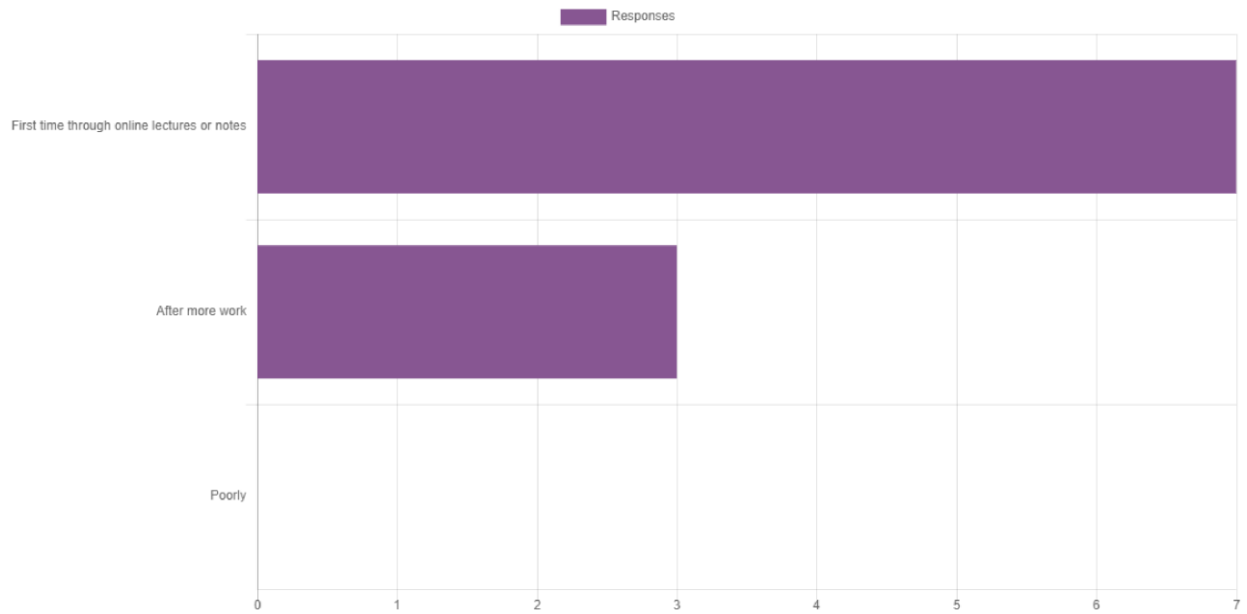
[Show chart data](#)

(A) Efficiency and code optimisation



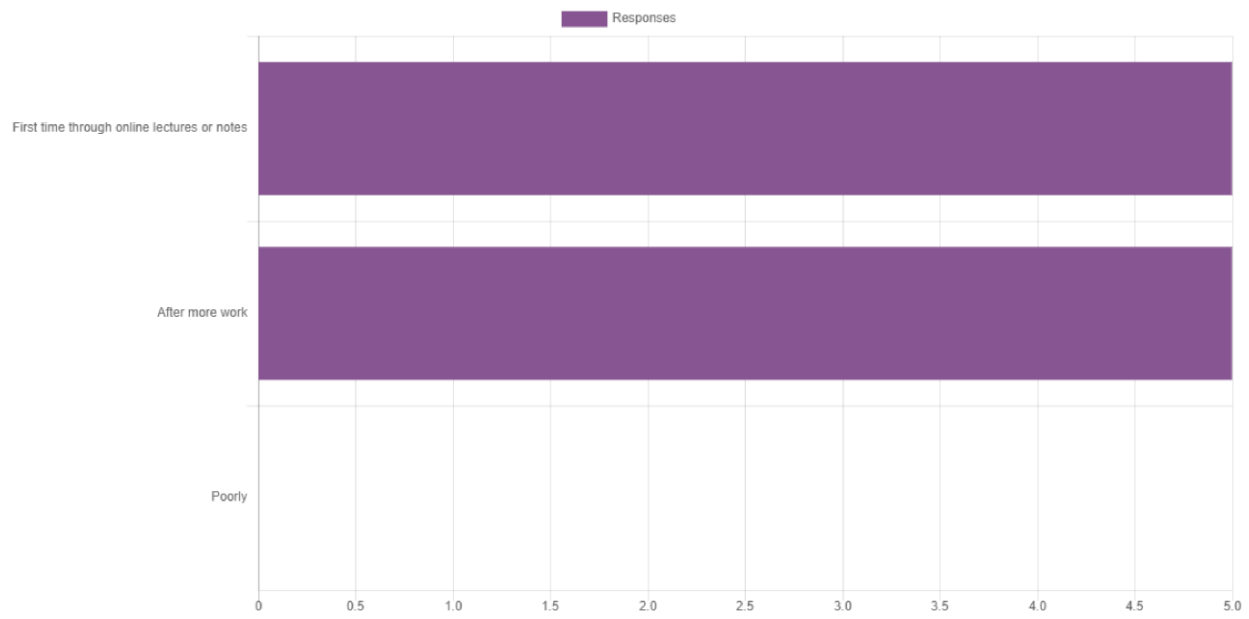
[Show chart data](#)

(B) Open MP programming



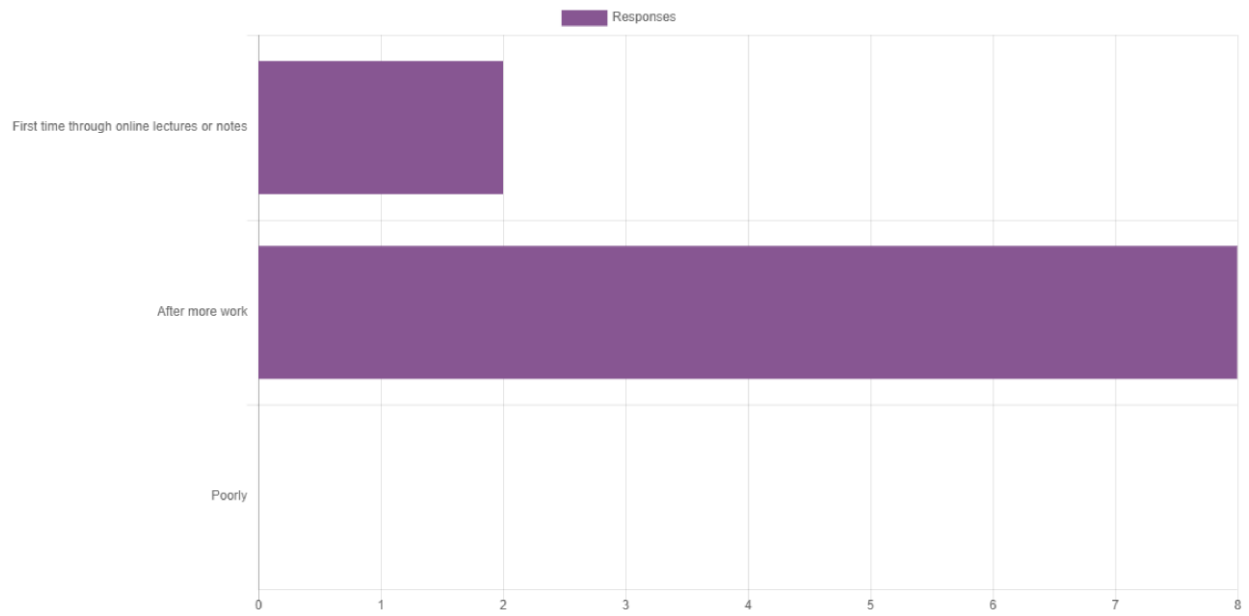
[Show chart data](#)

(C) MPI programming



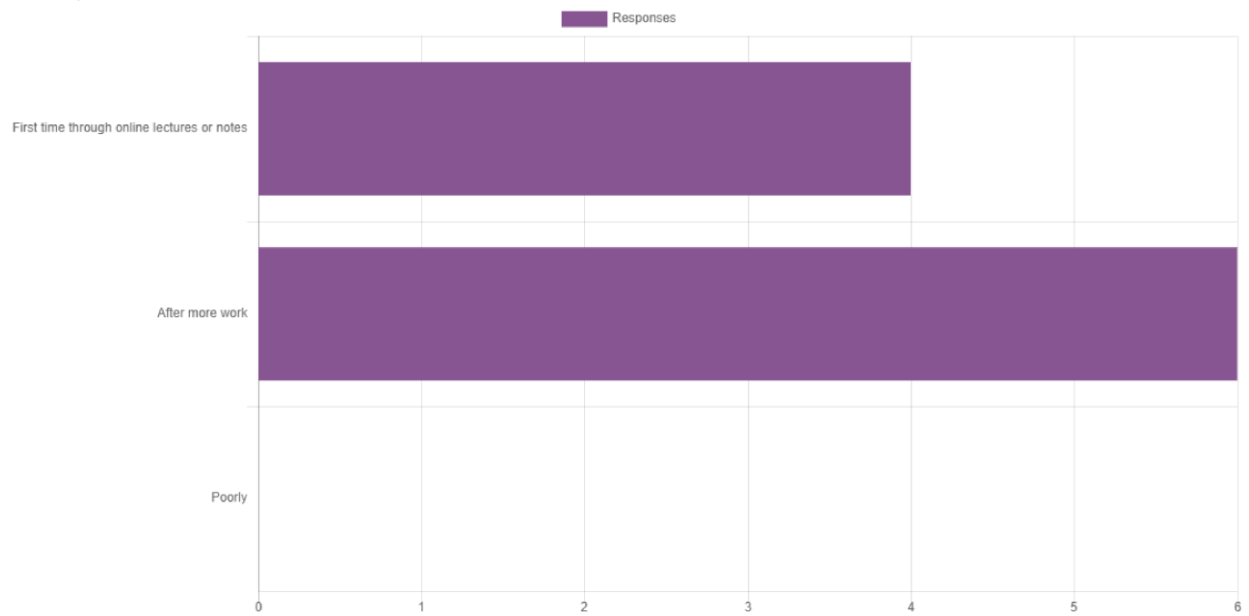
[Show chart data](#)

(D) GPU programming



[Show chart data](#)

(E) Theory and measurement



[Show chart data](#)

The best features of this module were:

- Nicholas' online lectures were superb. The filming and clarity was excellent and the format of the live sessions was very helpful. Easily the best lecturer I have had at adapting to the online circumstances.
- Trying to obtain the fastest time when optimising code, and being able to compare this with others.
- The content of the problems. Was very interesting work. The quizzes for the content was very helpful.
- Really good introduction of topics and the foundations of these libraries - I felt like I had a very good understanding of the fundamentals.

Quizzes were useful.

Lecturer is very approachable with problems

- Good, useful content
- Lots of helpful examples
- I think the assignments were well thought out and really helped to cement the material
- Workshops were also a good way to help my understanding the material
- Seeing how fast you can make code. It has been useful for me too in my final year project because I had some code in matlab which would have taken 40 days to run, but optimising it in C made it run in less than 1 hour.
- It was really nice to have a module with a strong applied focus (ie the large assignment projects). They have all been interesting and challenging enough to be thought-provoking but not so hard as to be frustrating.

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

- My only negative comment is that the assignments and the content seem to be offset by a week or two: the generic optimisation content was delivered 2 weeks before the assignment on it etc etc
- The code provided in the assignments mixes use of spaces and tabs for indentation, which makes it not display correctly in editors unless the tab size is set to 8, at which point pressing tab to indent code indents by 8 spaces instead of the actual indentation increment that the code is using, which is usually 2 in the code provided. This could be improved by simply converting everything to spaces.
-
- Perhaps a couple more complex example codes with MPI and GPU
- Most of the examples were very simple compared to real problems. This meant it was very difficult to understand how they could be used to solve far more complicated problems.
- Maybe change quizzes to include more of the questions which get you to think about the material rather than looking up what was on the slides.

Not sure what has been done in the past but, personally, I would have preferred if the module started at the beginning of term so that assignment 5 wasn't entirely over the Christmas break.

Any other comments:

- I think this was a really useful module but the content was also interesting and well-delivered. The assignments were at the right level and there was lots of helpful aids.
- Overall, really great module, one of the best I've done.
- I appreciate the movie quotes even if no one else does

Jump to...

[Course Overview ►](#)

You are logged in as [Leah Edwards](#) ([Sign out](#))

 [Moodle Docs for this page](#)

[About Moodle](#) | [Moodle Help](#) | [Search courses](#) | [MyPortfolio](#) | [Email](#) | [Insite](#) | [Categories](#)

