

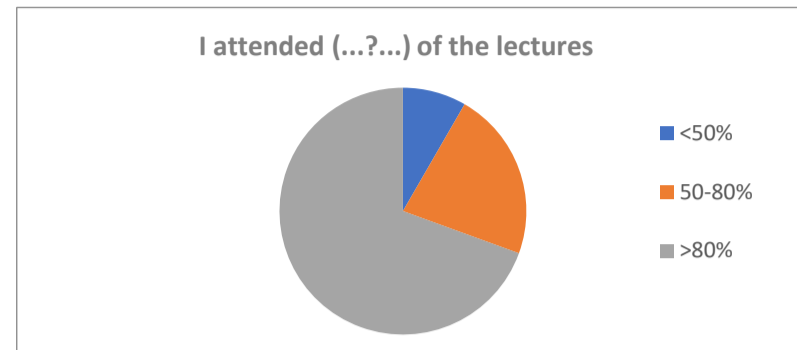
Survey Summary

PX149 Term 2 Feedback 2022

No. of Participants	36
Total no. of students	168
Survey Started	18 Mar 2022 17:51:42 GMT
Survey Ended	

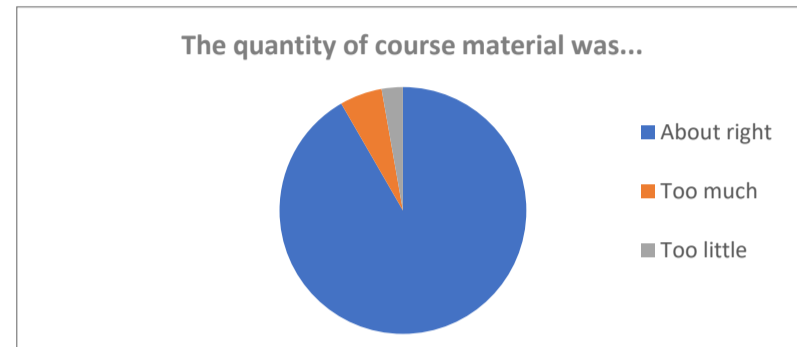
I attended (...?...) of the lectures

Description	Responses	%
<50%	3	8.33
50-80%	8	22.22
>80%	25	69.44
Total	36	



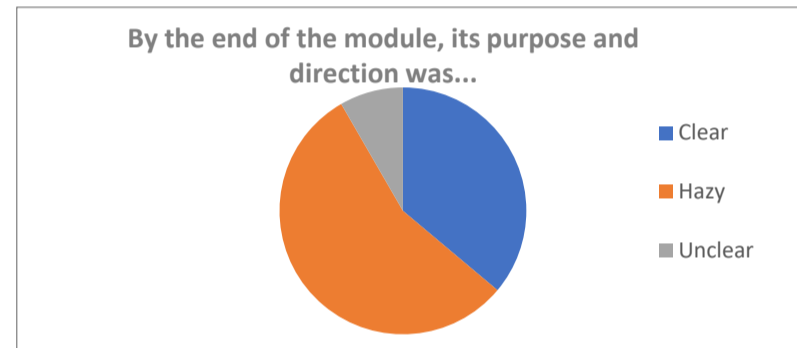
The quantity of course material was...

Description	Responses	%
About right	33	91.67
Too much	2	5.56
Too little	1	2.78
Total	36	



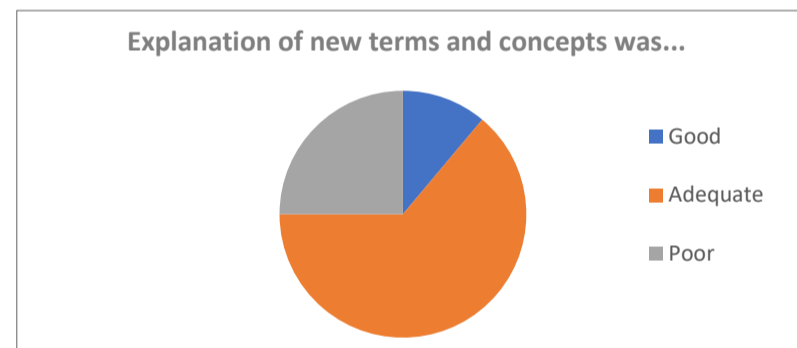
By the end of the module, its purpose and direction was...

Description	Responses	%
Clear	13	36.11
Hazy	20	55.56
Unclear	3	8.33
Total	36	



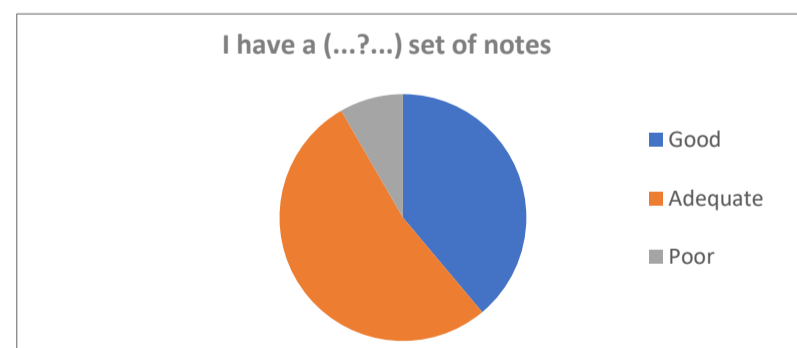
Explanation of new terms and concepts was...

Description	Responses	%
Good	4	11.11
Adequate	23	63.89
Poor	9	25.00
Total	36	



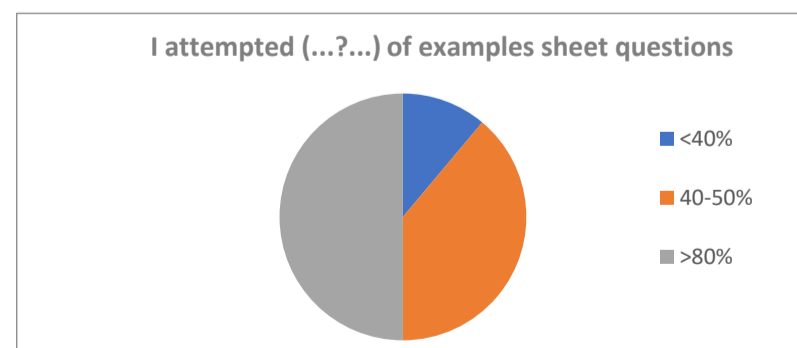
I have a (...?...) set of notes

Description	Responses	%
Good	14	38.89
Adequate	19	52.78
Poor	3	8.33
Total	36	



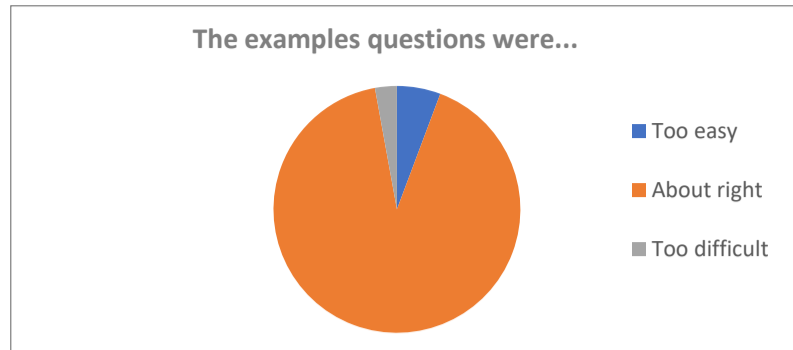
I attempted (...?...) of examples sheet questions

Description	Responses	%
<40%	4	11.11
40-50%	14	38.89
>80%	18	50.00
Total	36	



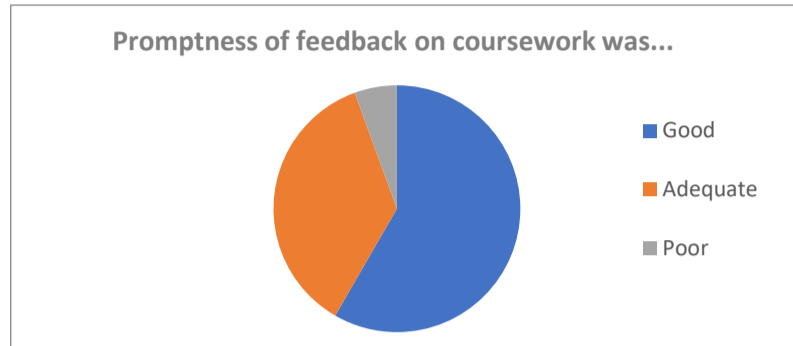
The examples questions were...

Description	Responses	%
Too easy	2	5.71
About right	32	91.43
Too difficult	1	2.86
Total	35	



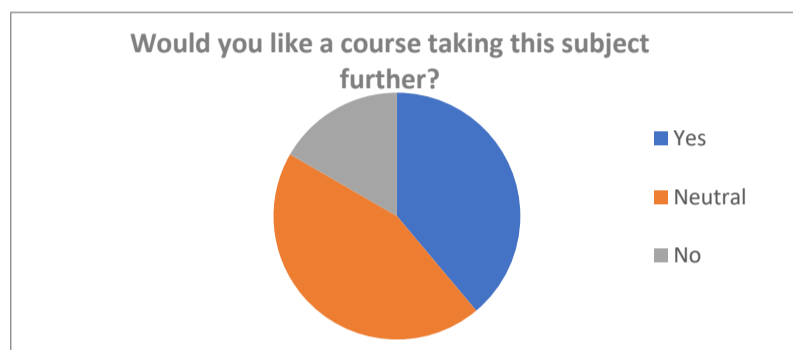
Promptness of feedback on coursework was...

Description	Responses	%
Good	21	58.33
Adequate	13	36.11
Poor	2	5.56
Total	36	



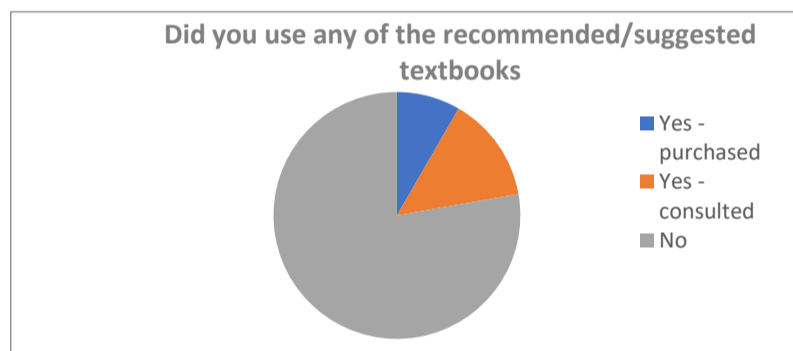
Would you like a course taking this subject further?

Description	Responses	%
Yes	14	38.89
Neutral	16	44.44
No	6	16.67
Total	36	



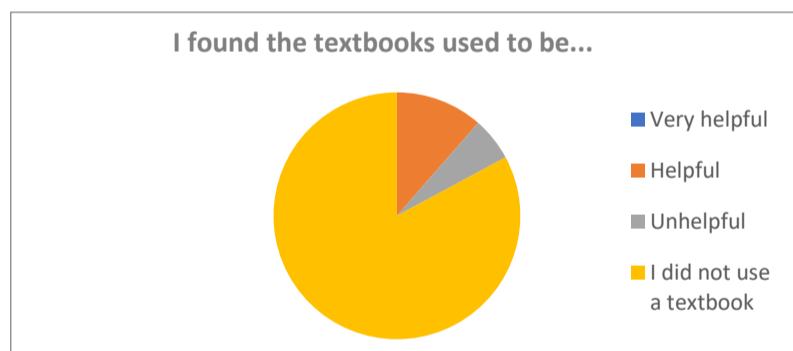
Did you use any of the recommended/suggested textbooks

Description	Responses	%
Yes - purchased	3	8.33
Yes - consulted	5	13.89
No	28	77.78
Total	36	



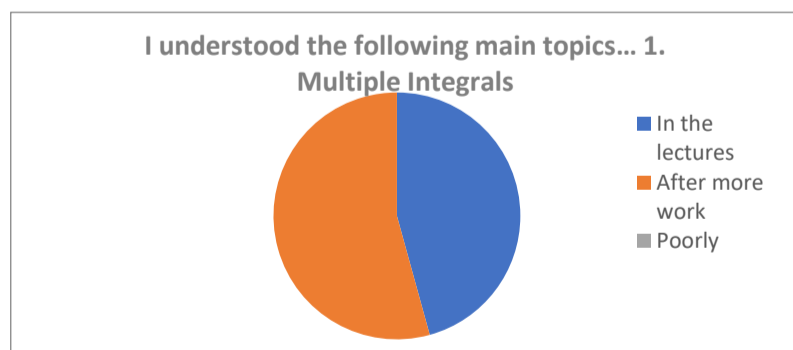
I found the textbooks used to be...

Description	Responses	%
Very helpful	0	0.00
Helpful	4	11.43
Unhelpful	2	5.71
I did not use a textbook	29	82.86
Total	35	



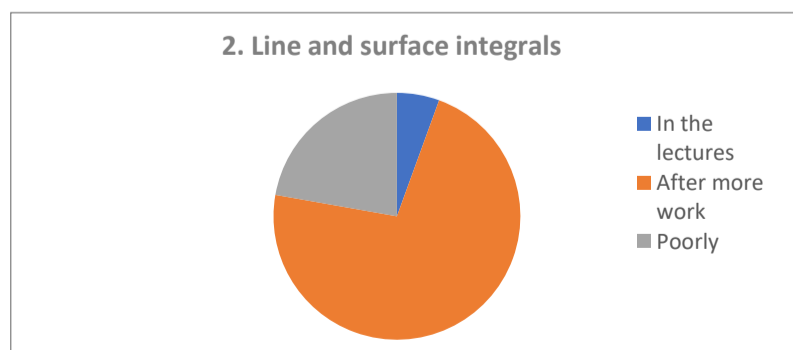
I understood the following main topics... 1. Multiple Integrals

Description	Responses	%
In the lectures	16	45.71
After more work	19	54.29
Poorly	0	0.00
Total	35	



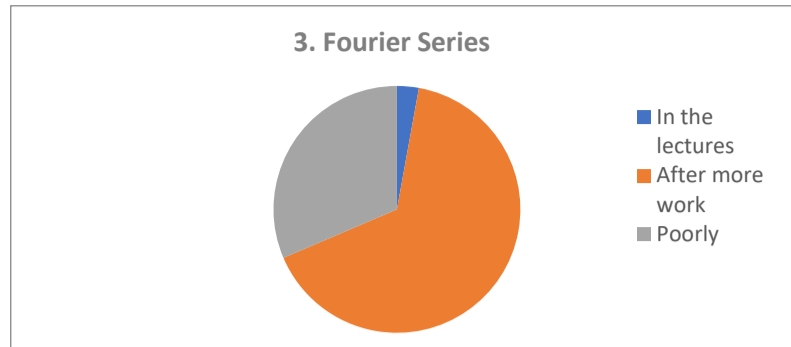
2. Line and surface integrals

Description	Responses	%
In the lectures	2	5.56
After more work	26	72.22
Poorly	8	22.22
Total	36	



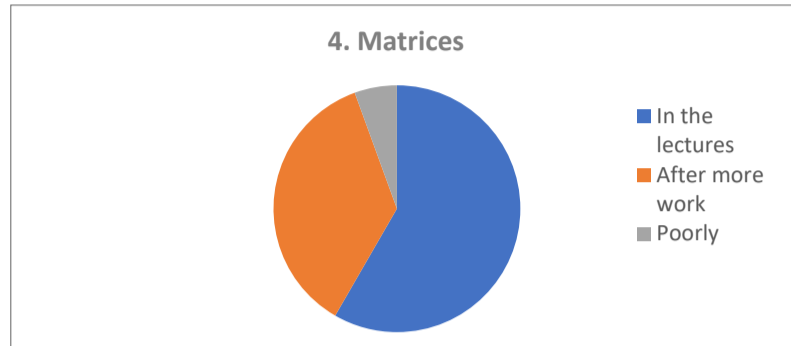
3. Fourier Series

Description	Responses	%
In the lectures	1	2.86
After more work	23	65.71
Poorly	11	31.43
Total	35	



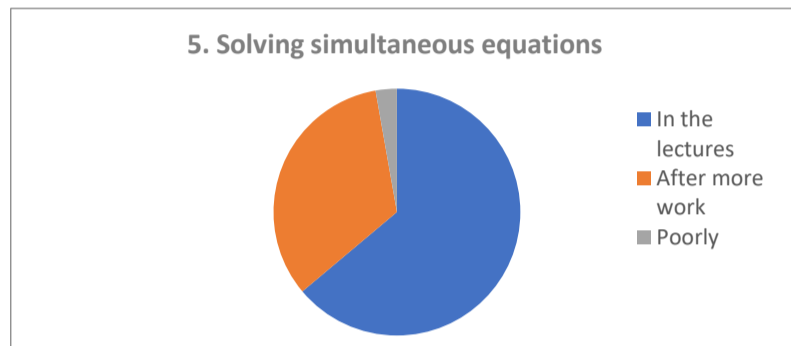
4. Matrices

Description	Responses	%
In the lectures	21	58.33
After more work	13	36.11
Poorly	2	5.56
Total	36	



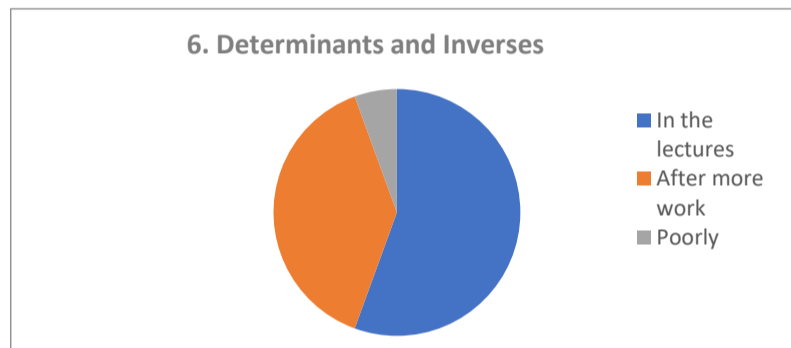
5. Solving simultaneous equations

Description	Responses	%
In the lectures	23	63.89
After more work	12	33.33
Poorly	1	2.78
Total	36	



6. Determinants and Inverses

Description	Responses	%
In the lectures	20	55.56
After more work	14	38.89
Poorly	2	5.56
Total	36	



The best features of this module were:

Participants: 15

Comments:

Pierre's slurping
 Lecturer was engaging all the time
 Linear Algebra
 The lecturer ;)
 The pacing of the lectures were good
 -Line integral parts were interesting-Going from calculating a Fourier series to seeing a succession of finite sums converging was nice
 Eigenvalues, eigenvectors were new to me but were explained well
 Pierre's liberal use of examples and methodical approach to almost every example question we have done, going through each step in detail, was very much appreciated.
 N/a
 lots of examples
 It was pretty good
 The lecturer answers questions that students may have
 '- I have learnt a lot of new content and I felt this term, concepts that were A-Level further maths were better explained
 Felt the pace of the module was about right and it covered the right amount of stuff each week.
 The problem classes cause then i could get an understandable explanation
 The fact that it was mainly further maths material. Otherwise I would have been very lost.

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

Participants: 21

Comments:

Stop explaining pre-GCSE maths to us
 More clear/thorough explanation of line, surface and volume integrals.
 Please explain more clearly the process of "guessing".
 The lectures become quite monotonous. So, they should be made more engaging.
 Typed notes for the second term.
 Examples given in lectures need to be followed through fully and not left for the reader learning the subject
 Explanations should be clearer
 More interactive examples eg the fourier series one where he showed how the function converged after each iteration
 More time on line and surface integrals

Typed up notes

The problem sheets varied greatly in difficulty. Some were very easy and some were very difficult.

Needs more explanations as to why we need what we're taught and how to use them. Need more examples as it feels like the problem sheet questions are always something I don't know how to do despite attending the lectures

-The section on line integrals should be delivered before the worksheet on line integrals (px146) is due, I ended up teaching myself line integrals to do the worksheet, only to be taught it the week after.-Fourier series is too rushed, it should have 3 weeks spent explaining it with the extra week coming off matrices. I think that the concept would be better explained by giving the formula to calculate Fourier coefficients in a more general form for any arbitrary interval than giving 3 distinct formulas for $-L, 0, 2L, 0, L$ (as sine or cosine series), when you can have 1 equation for interval $c, c+2L$. I didn't understand Fourier series till I found this other explanation. The first half of The linear algebra section is too slow when it comes to content and would be better if basic things like matrix multiplication were went through faster, The time it took to get through basic matrices operations was slower than my a-level further maths on The topic.

I felt the quality of the lectures was substandard, especially when compared to term 1's quality

I struggled to understand the concepts quite a lot of the time. Would be better if we spent more time going over the theory

Some of the questions in the online quiz and problem sheets were unnecessarily long to do especially in the fourier series topic. Also the lectures could be quite mundane at times.

More engagement, typed notes, more clarity in notes taken + explanations

- The lectures do not relate the maths content to actual physics applications (Just a few statements about applications is would be nice, e.g. how the Fourier sheet talked about image processing). The moodle quizzes can be annoying when you get multiple wrong answers in a row, it would be nice to split up longer answer questions into more parts, so its easier to see where I have gone wrong. 'The moodle quizzes are also not difficultly scaled (The harder questions are usually at The beginning) and it can be The case sometimes that harder questions are worth less marks, because they have fewer parts, reducing The incentive to do them. 'This module does not have any typed notes, I find it hard to follow The written ' notes, as there is not much explanatory text around The maths to explain what is going ' on. also I find it hard to find specific information, especially when it is scattered across multiple PDFs.

It felt that the explanation of some new concepts wasn't easy to understand and at times it was fortunate that the content was easy enough to understand by myself. Could be more clarity when working through questions in lectures as their direction was often unclear

The lectures and notes in general. The explanations I found to be quite poor, if you don't understand a section you might as well give up I've re-read/watched the lecture material multiple times to correct a certain section of knowledge to realise that I can watch a 10 minute youtube video or wiki article and get a better understanding and explanation compared to the 3 hours of lectures. That is also ignoring the pacing of the lectures are past unenjoyable with the lecturer getting stuck on his own example question or generally taking a while on sections that should be quick and glancing over sections that aren't intuitive without finding other resources. e.g spending a large amount of time on rotations of vectors with a matrix took a lot of time to then state other transformation matrix without an adequate explanation to why they are in that specific format. This then makes it hard to concentrate in lectures as it just feels like you're wasting you're time.

The proofs are just kind of written down, make zero sense - not much of it is explained. Kind of just expect us to understand the maths and symbols. Delivery of the course is really not engaging. Concepts dragged on for too long when it could be explained much easier and in less time. Lots of time spent on really easy calculations that could be skipped. Lecturer seems unprepared when calculating things - constantly makes mistakes and loses people's interest and causes confusion.

Overall, the only thing saving this module is the fact that most of this content is covered in further maths.

Participants:

9

Comments:

Nope

N/A

no

Overall good module, but general comments are more time should be spent on Fourier series which is very hard and less time on matrices which is comparatively easy. I don't think the content of either part would even need to change much.

I felt very much on my own during this module as I didn't really find any of the lectures to help at all

:)

'- Thank you for teaching the module

Would have liked to have been shown the real life applications of the content at times. Overall was good so thanks Pierre

N/A