




Responses: 14






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%	 93%	13
<50%	 7%	1
Total responses to question	 100%	14/14




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

Response	Average	Total
All	 21%	3
Most	 36%	5
Some	 36%	5
None	 7%	1
Total responses to question	 100%	14/14

3 The quantity of material was...




Response	Average	Total
About right	 93%	13
Too little	 7%	1
Total responses to question	 100%	14/14

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

Response	Average	Total
Clear	 93%	13
Hazy	 7%	1
Total responses to question	 100%	14/14




5 Explanation of new terms and concepts was...

At

Response	Average	Total
Good	 86%	12
Adequate	 14%	2
Total responses to question	 100%	14/14





6

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

Response	Average	Total
Good	 86%	12
Adequate	 14%	2
Total responses to question	 100%	14/14




7

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

Response	Average	Total
<40%	 31%	4
40-50%	 54%	7
>80%	 15%	2
Total responses to question	 93%	13/14




8

The examples sheet questions were...

Response	Average	Total
About Right	 91%	10
Too Hard	 9%	1
Total responses to question	 79%	11/14





9

Promptness of feedback on submitted coursework was...





Response	Average	Total
Good	 50%	1
Adequate	 50%	1
Total responses to question	 14%	2/14

10




Would you like a course taking this subject further ?

Response	Average	Total
Yes	 83%	10
Neutral	 8%	1
No	 8%	1
Total responses to question	 86%	12/14

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




Response	Average	Total
Yes - purchased	 7%	1
Yes - consulted	 36%	5
No	 57%	8
Total responses to question	 100%	14/14

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



Response	Average	Total
Helpful	 43%	6
I did not use a textbook	 57%	8
Total responses to question	 100%	14/14


I understood the following main topics

13 Einstein's equivalence principle





Response	Average	Total
First time through online lectures or notes	 79%	11
After more work	 21%	3
Total responses to question	 100%	14/14

14 Metrics





Response	Average	Total
First time through online lectures or notes	 43%	6
After more work	 57%	8

Response	Average	Total
Total responses to question	 100%	14/14





15 Geodesic motion

Response	Average	Total
First time through online lectures or notes	 29%	4
After more work	 57%	8
Poorly	 14%	2
Total responses to question	 100%	14/14




16 Schwarzschild metric

Response	Average	Total
First time through online lectures or notes	 14%	2
After more work	 79%	11
Poorly	 7%	1
Total responses to question	 100%	14/14

17 Gravitational waves

Response	Average	Total
First time through online lectures or notes	 29%	4
After more work	 64%	9
Poorly	 7%	1
Total responses to question	 100%	14/14

18 FLRW cosmology

Response	Average	Total
First time through online lectures or notes	 46%	6
After more work	 54%	7
Total responses to question	 93%	13/14

19 The best features of this module were:

Respondent	Response
	Very interesting module. Detailed and clear typed up notes and engaging lectures. Live sessions helpful too.
	Showing the motivation for various results such as curvature tensor or Lorenz gauge in gravitational waves section was helpful and different to many other sources. The overall presentation of all material was great, and really emphasised the hugely striking results produced by GR.
	Well organised and interesting.
	Quality of content and encouragement to carry out calculations ourselves.
	Very lucid presentation of the material in the recorded videos
	The module was very well structured and paced.
	The live sessions were very good, both when they were online and in person. Also, the explanations of new content were excellent as the module was taught in a logical and methodical manner. I very much enjoyed the observational evidence for general relativity as well.
	The subject of each section was clear, the module flowed well and I liked that some of the topics were put into context by the stories of their discoveries.
	In person lecturers. Gareth is by far the best lecturer I've had in years.
	The lectures in person were very engaging. Dr Alexander does a great job at in-person teaching and I think the content is very interesting.
	The lecture videos were the best of all modules taught online
Total responses to question	11/14

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

Respondent	Response
	I noticed in past papers there are relatively few questions directly testing the differential geometry aspects. Whilst this is understandable in many ways, looking at it as a test-taker (and not a physicist), it perhaps feels like there is no direct payoff to learning the material (although the necessity for doing so is of course very obvious).
	n/a
	N/A
	Better cameras for lecture capture so that writing on the blackboard is legible. (I would not be in favour of having lecturers write larger for the benefit of lecture capture and at the cost of the live lectures themselves.)
	It would have helped if the lecturer had given more explanation of new concepts (eg. interpreting Christoffel symbols / Ricci tensor). Often these things are obvious once understood but otherwise can be baffling for ages.
	Some of the derivations took me a little while to figure out what was going on, particularly in the differential geometry section, so perhaps going through these a little bit slower would have been helpful.
	For some reason I found the Schwarzschild stuff really hard, particularly the example sheet questions seemed way more difficult than the content compared to other chapters.
	n/a

Respondent**Response**

Total
responses to
question

8/14

21 Any other comments:

Respondent**Response**

Waited 4 years to study GR and the choice of content and quality of teaching were outstanding. A highlight of studying Physics at Warwick.

Gareth's teaching through this module was among the best I have experienced in my four years at Warwick.

I'd be more keen to try the exercise sheet questions if we had solutions to them.

Excellent module, definitely the best this term!

More in person teaching

Total responses to
question

5/14