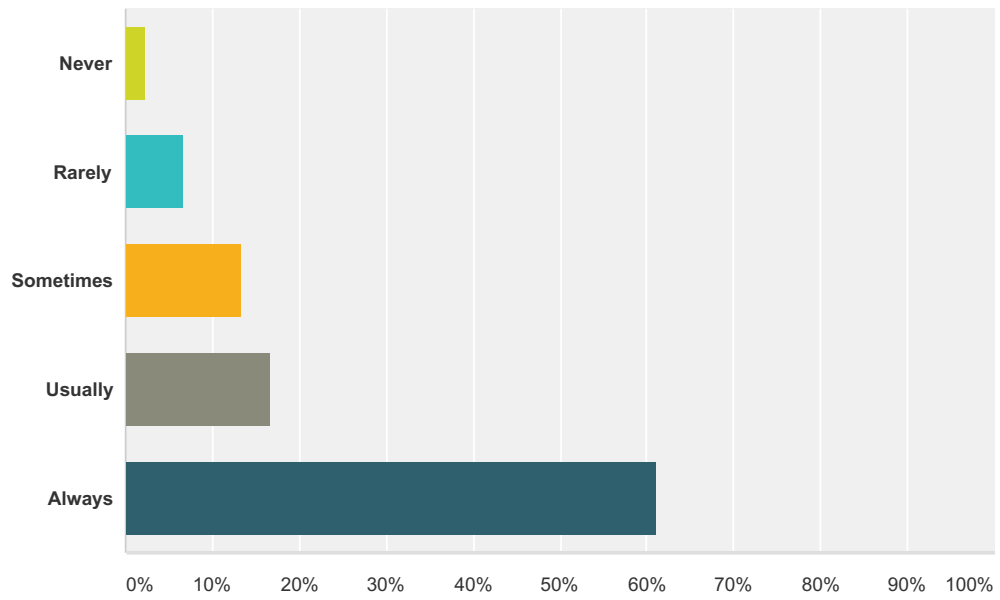


### Q1 I regularly attend the weekly classes for the course

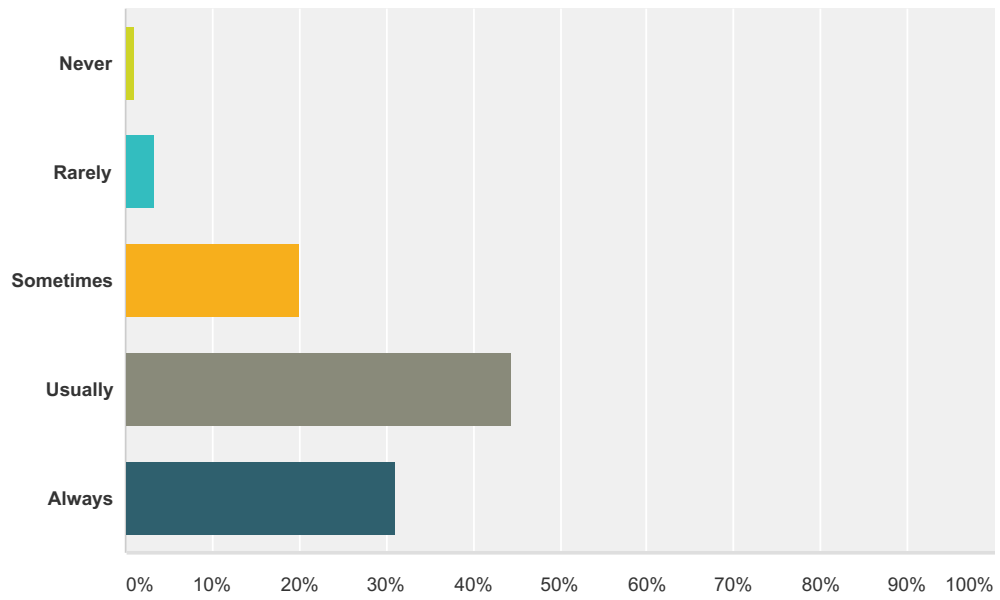
Answered: 90 Skipped: 0



Answer Choices	Responses
Never	2.22% 2
Rarely	6.67% 6
Sometimes	13.33% 12
Usually	16.67% 15
Always	61.11% 55
<b>Total</b>	<b>90</b>

## Q2 I invest enough time and effort to meet/exceed course requirements

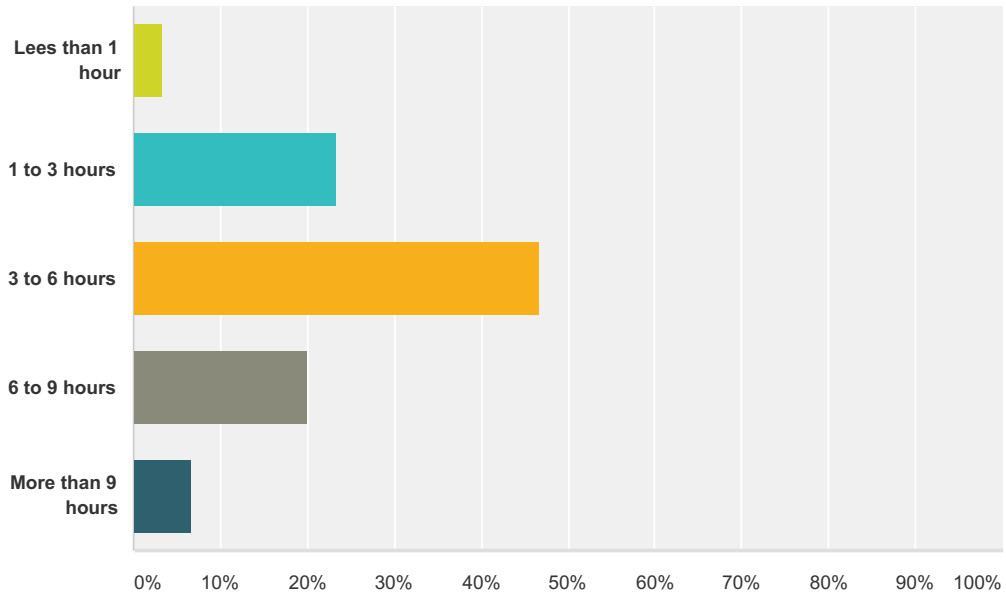
Answered: 90 Skipped: 0



Answer Choices	Responses	
Never	1.11%	1
Rarely	3.33%	3
Sometimes	20.00%	18
Usually	44.44%	40
Always	31.11%	28
<b>Total</b>		<b>90</b>

**Q3 On average how many hours per week do you spend studying on this course - outside formal class time and including reading, homework assignments, reports and studying for exams?**

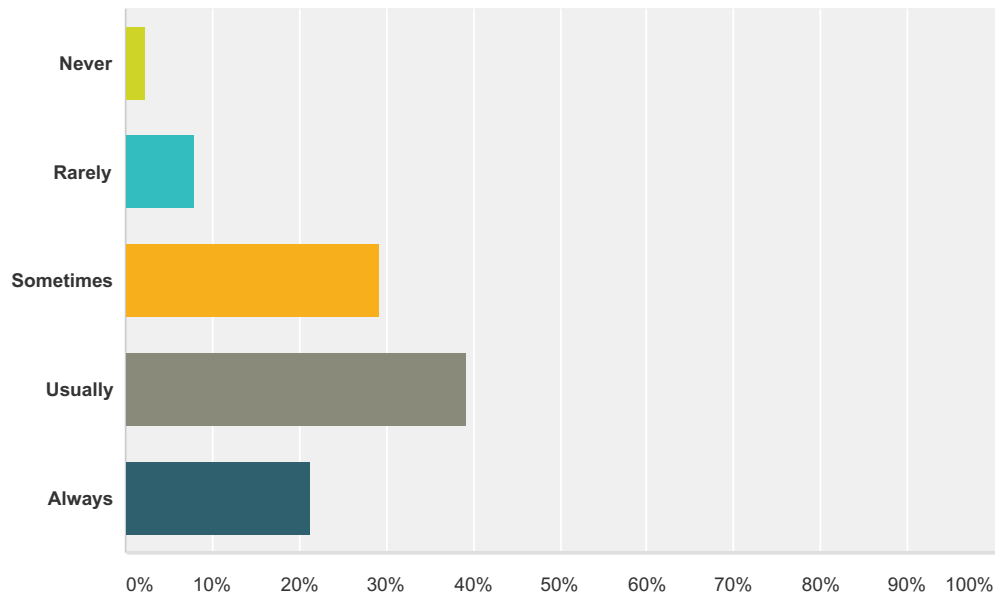
Answered: 90 Skipped: 0



Answer Choices	Responses	Count
Lees than 1 hour	3.33%	3
1 to 3 hours	23.33%	21
3 to 6 hours	46.67%	42
6 to 9 hours	20.00%	18
More than 9 hours	6.67%	6
<b>Total</b>		<b>90</b>

### Q4 I participate actively and thoughtfully in classes

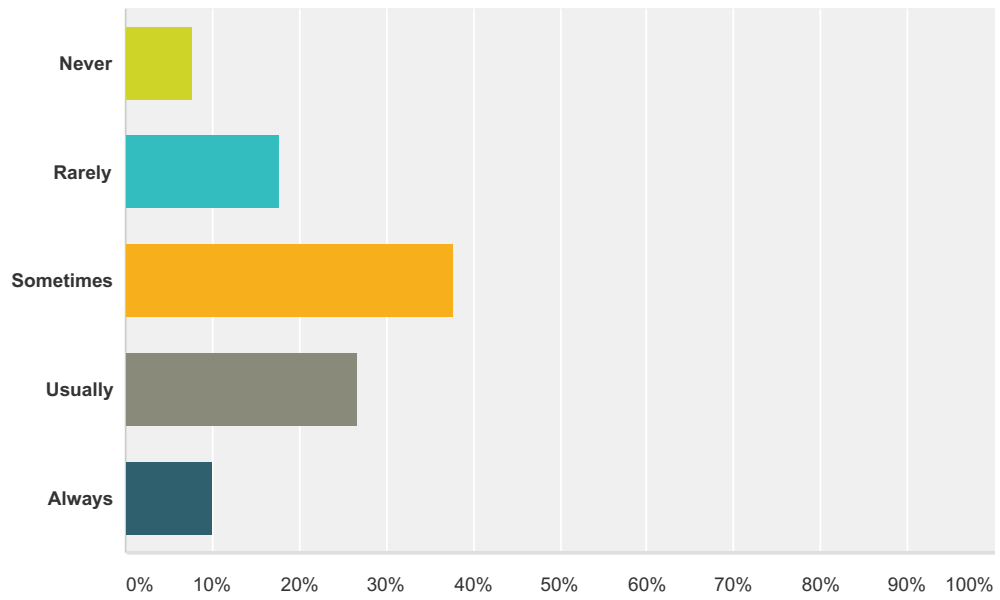
Answered: 89 Skipped: 1



Answer Choices	Responses	
Never	2.25%	2
Rarely	7.87%	7
Sometimes	29.21%	26
Usually	39.33%	35
Always	21.35%	19
<b>Total</b>		<b>89</b>

### Q5 I ask the lecturers for help/guidance when I need it

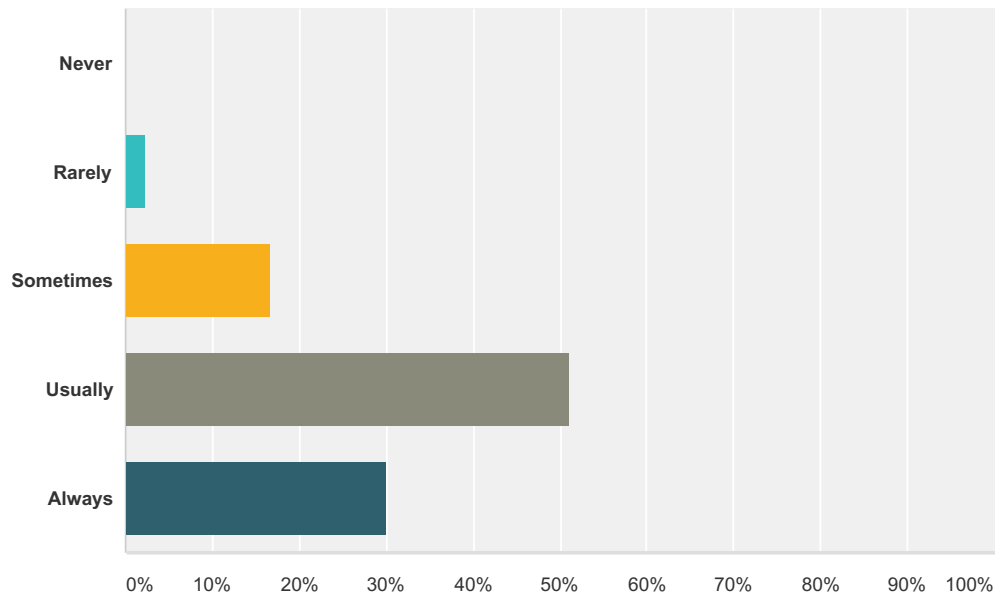
Answered: 90 Skipped: 0



Answer Choices	Responses
Never	7.78% 7
Rarely	17.78% 16
Sometimes	37.78% 34
Usually	26.67% 24
Always	10.00% 9
<b>Total</b>	<b>90</b>

### Q6 Lectures, tutorials and labs seem well integrated

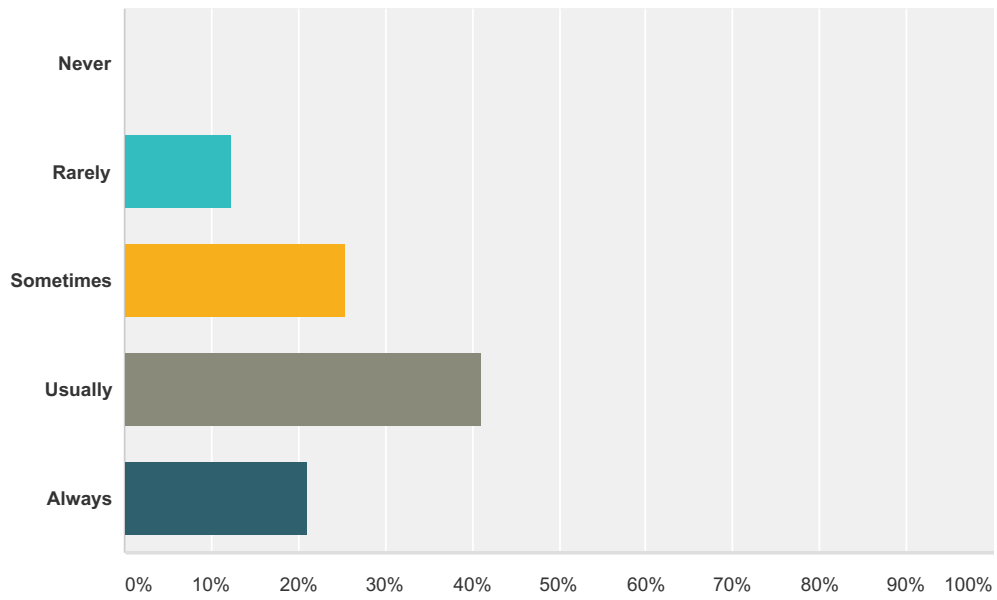
Answered: 90 Skipped: 0



Answer Choices	Responses	
Never	0.00%	0
Rarely	2.22%	2
Sometimes	16.67%	15
Usually	51.11%	46
Always	30.00%	27
<b>Total</b>		<b>90</b>

### Q7 The assigned readings significantly contribute to this course

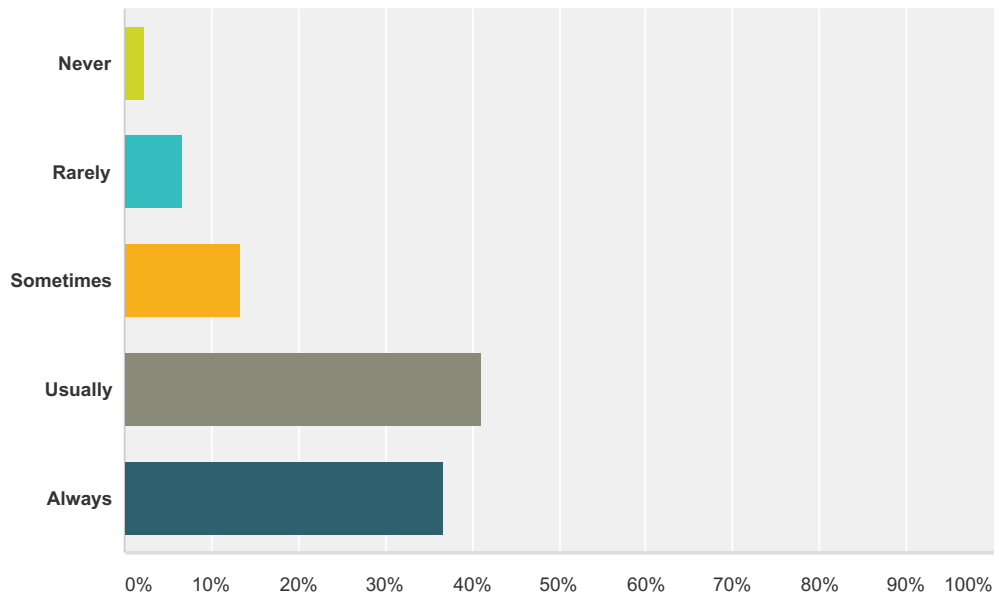
Answered: 90 Skipped: 0



Answer Choices	Responses
Never	0.00% 0
Rarely	12.22% 11
Sometimes	25.56% 23
Usually	41.11% 37
Always	21.11% 19
<b>Total</b>	<b>90</b>

### Q8 Lab experiences assist me in learning concepts

Answered: 90 Skipped: 0

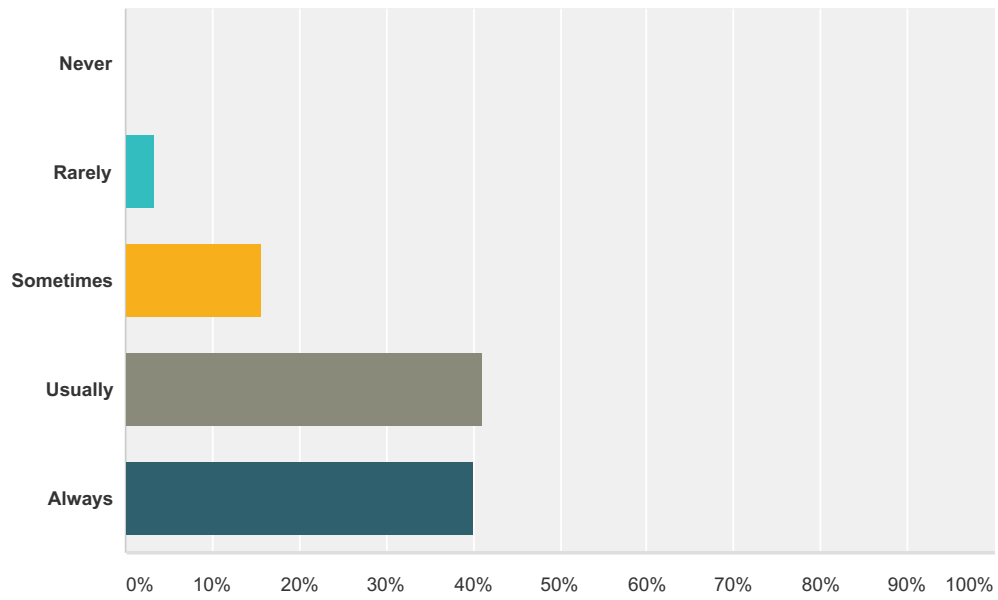


Answer Choices	Responses	Count
Never	2.22%	2
Rarely	6.67%	6
Sometimes	13.33%	12
Usually	41.11%	37
Always	36.67%	33
<b>Total</b>		<b>90</b>



### Q9 The course encourages me to think critically

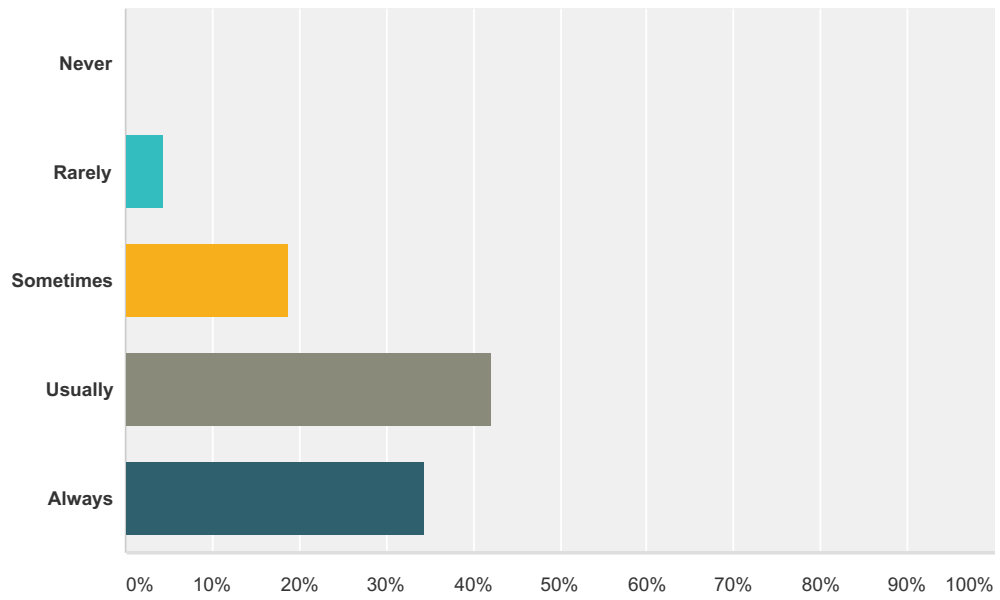
Answered: 90 Skipped: 0



Answer Choices	Responses	Count
Never	0.00%	0
Rarely	3.33%	3
Sometimes	15.56%	14
Usually	41.11%	37
Always	40.00%	36
<b>Total</b>		<b>90</b>

### Q10 The homework improves my technical skills

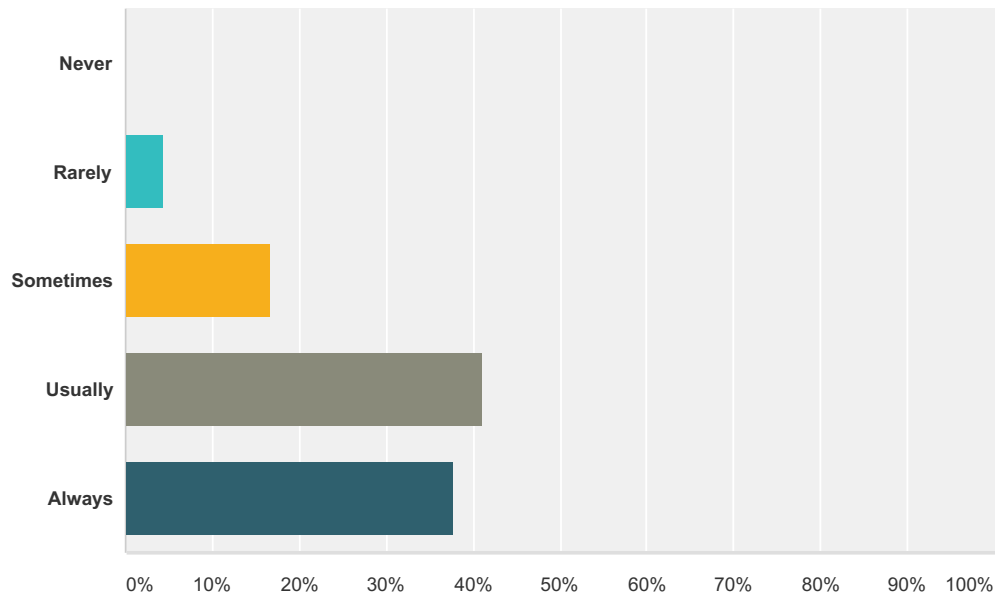
Answered: 90 Skipped: 0



Answer Choices	Responses	Count
Never	0.00%	0
Rarely	4.44%	4
Sometimes	18.89%	17
Usually	42.22%	38
Always	34.44%	31
<b>Total</b>		<b>90</b>

### Q11 The course assists me to develop group work skills

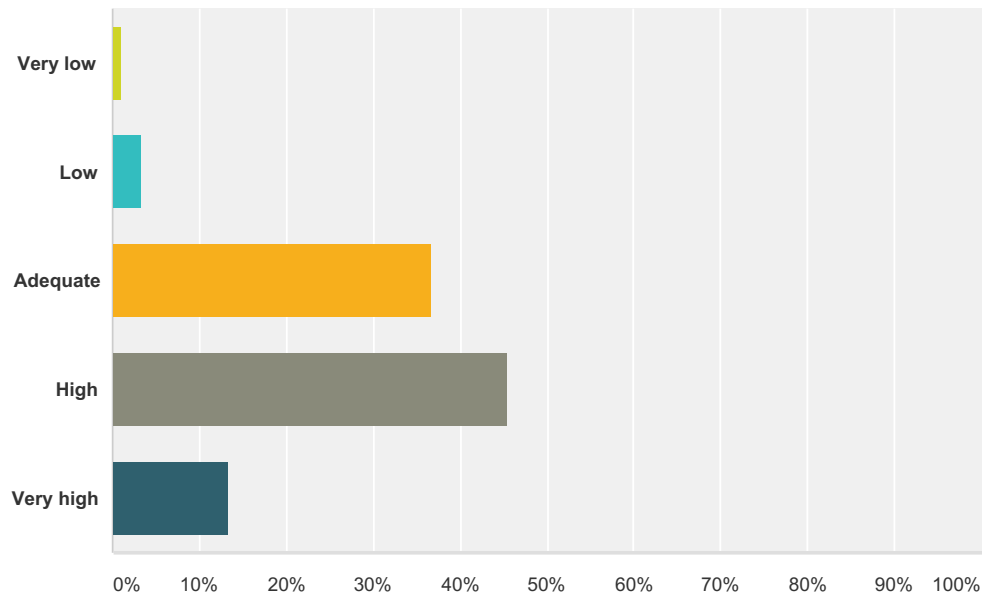
Answered: 90 Skipped: 0



Answer Choices	Responses	Count
Never	0.00%	0
Rarely	4.44%	4
Sometimes	16.67%	15
Usually	41.11%	37
Always	37.78%	34
<b>Total</b>		<b>90</b>

### Q12 Overall the level of intellectual challenge is

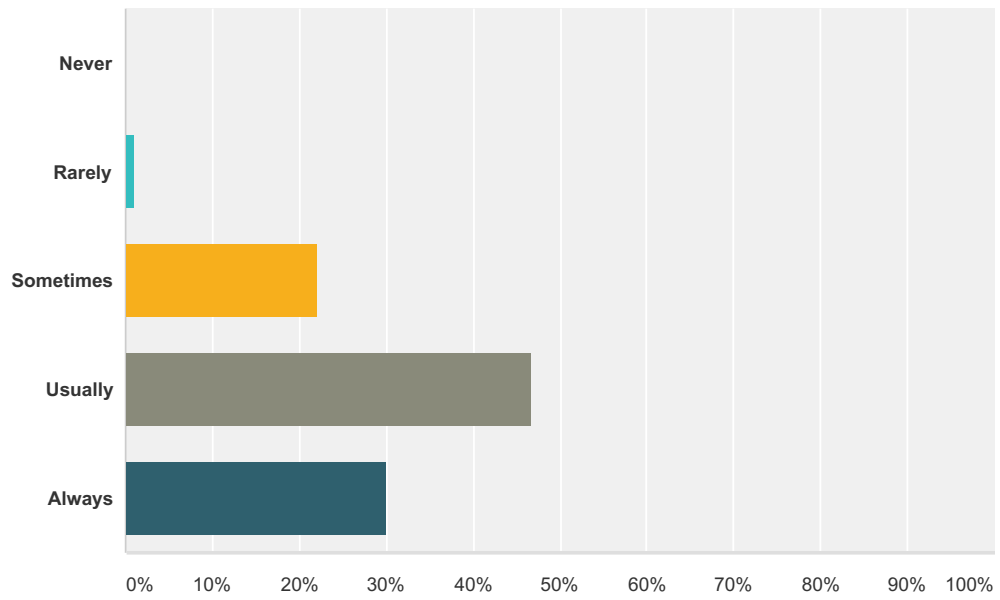
Answered: 90 Skipped: 0



Answer Choices	Responses	
Very low	1.11%	1
Low	3.33%	3
Adequate	36.67%	33
High	45.56%	41
Very high	13.33%	12
<b>Total</b>		<b>90</b>

### Q13 Team teaching is used effectively in this course

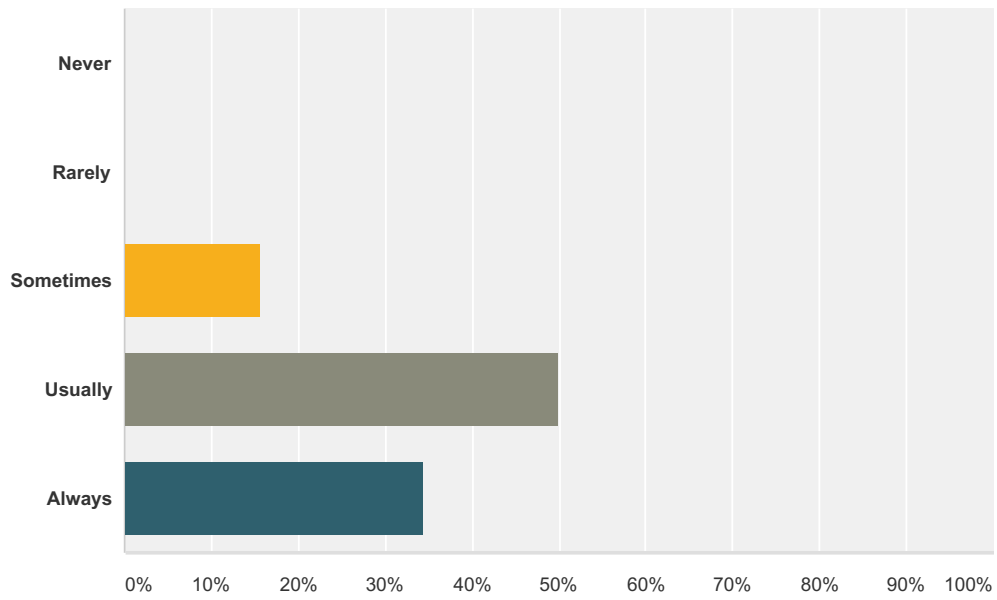
Answered: 90 Skipped: 0



Answer Choices	Responses	
Never	0.00%	0
Rarely	1.11%	1
Sometimes	22.22%	20
Usually	46.67%	42
Always	30.00%	27
<b>Total</b>		<b>90</b>

### Q14 My lecturers are freely available for consultation

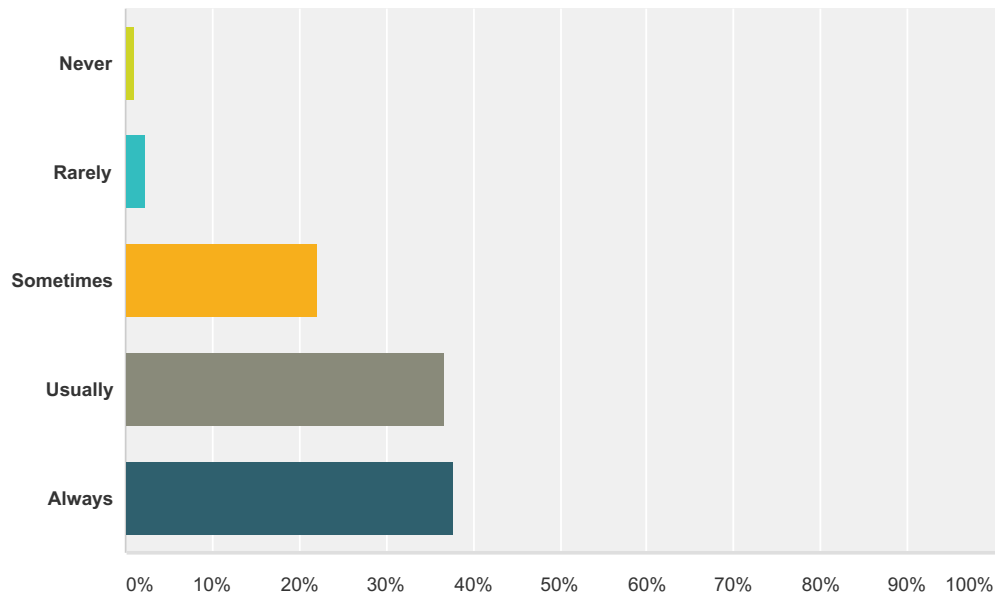
Answered: 90 Skipped: 0



Answer Choices	Responses	Count
Never	0.00%	0
Rarely	0.00%	0
Sometimes	15.56%	14
Usually	50.00%	45
Always	34.44%	31
<b>Total</b>		<b>90</b>

### Q15 The theory lectures contribute to my learning

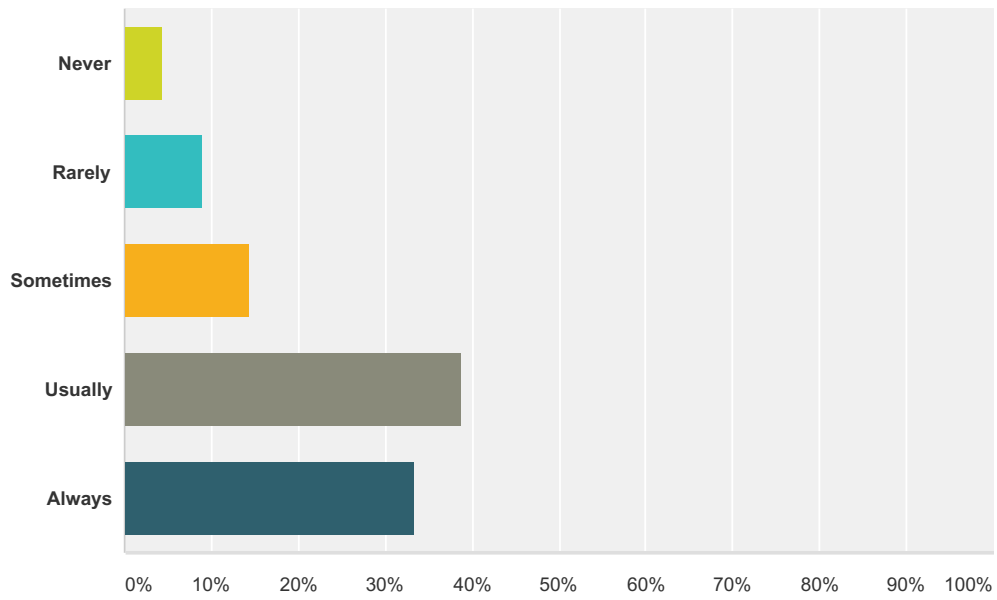
Answered: 90 Skipped: 0



Answer Choices	Responses	
Never	1.11%	1
Rarely	2.22%	2
Sometimes	22.22%	20
Usually	36.67%	33
Always	37.78%	34
<b>Total</b>		<b>90</b>

### Q16 The Facebook page is useful to my learning

Answered: 90 Skipped: 0

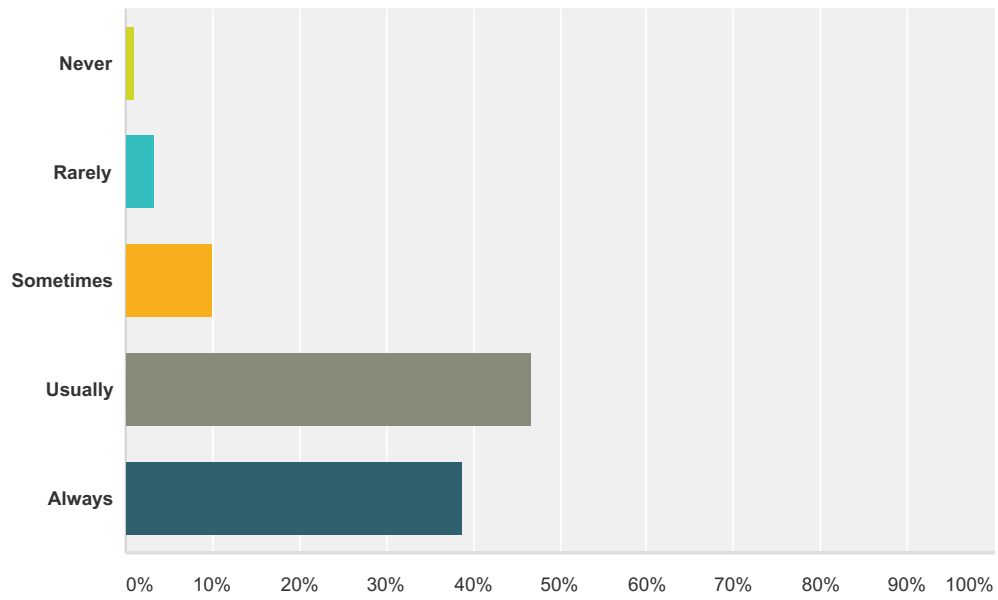


Answer Choices	Responses	
Never	4.44%	4
Rarely	8.89%	8
Sometimes	14.44%	13
Usually	38.89%	35
Always	33.33%	30
<b>Total</b>		<b>90</b>



### Q17 The activities using Web Assign assist my learning

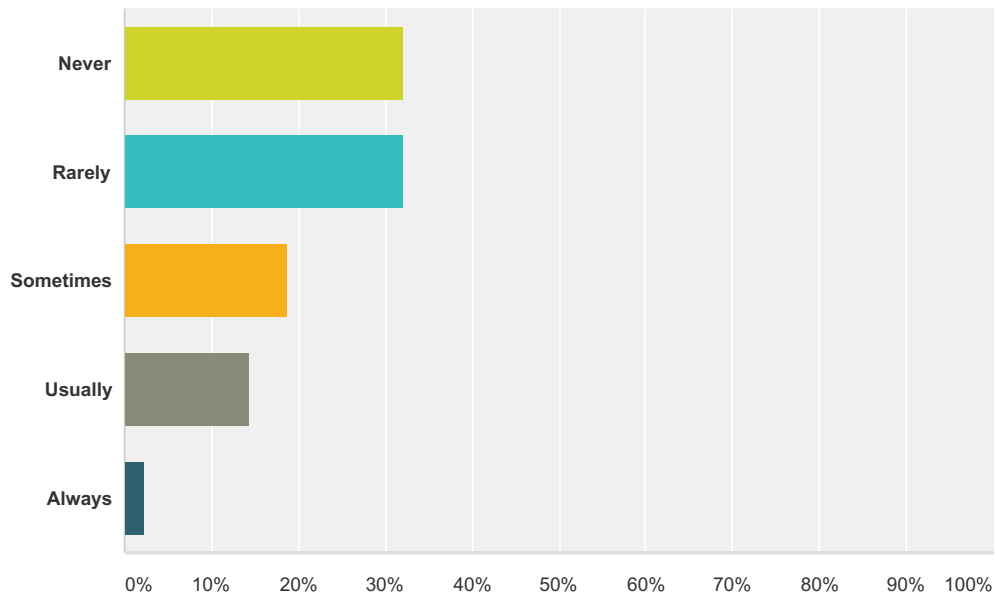
Answered: 90 Skipped: 0



Answer Choices	Responses	
Never	1.11%	1
Rarely	3.33%	3
Sometimes	10.00%	9
Usually	46.67%	42
Always	38.89%	35
<b>Total</b>		<b>90</b>

### Q18 I use the Ipad software to enhance my ability to do physics in the labs

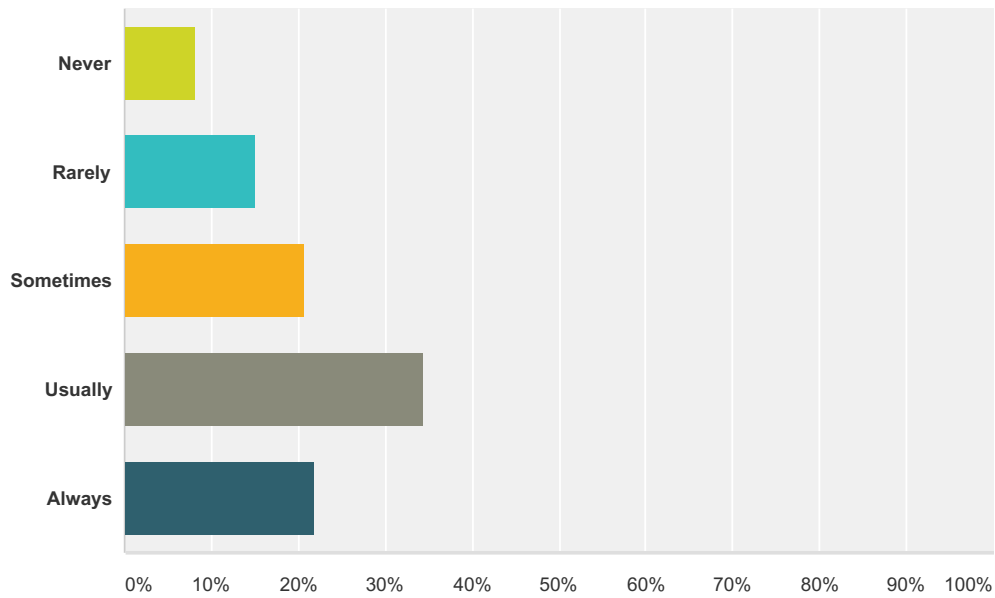
Answered: 90 Skipped: 0



Answer Choices	Responses	
Never	32.22%	29
Rarely	32.22%	29
Sometimes	18.89%	17
Usually	14.44%	13
Always	2.22%	2
<b>Total</b>		<b>90</b>

### Q19 Preparing the video lab reports helped me to consolidate my learning

Answered: 87 Skipped: 3

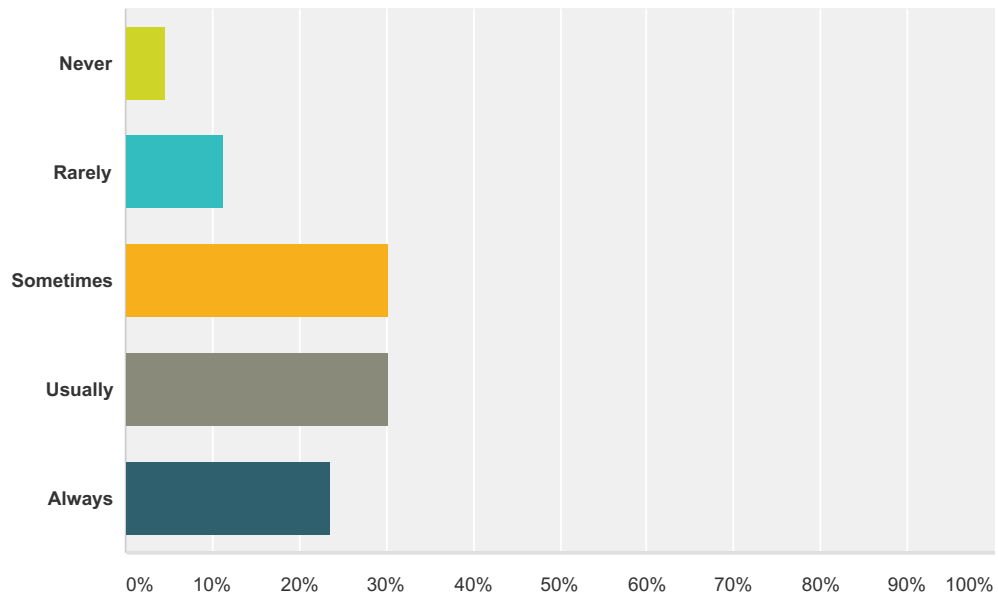


Answer Choices	Responses
Never	8.05% 7
Rarely	14.94% 13
Sometimes	20.69% 18
Usually	34.48% 30
Always	21.84% 19
<b>Total</b>	<b>87</b>

#	Other (please specify)	Date
1	The writing of the transcript is such a good way to cement what we did and it always helps me understand the labs and the theory better. However the actual making of the video is extremely time consuming and doesn't help at all.	4/19/2017 7:40 AM
2	They do the job, however I feel they take too long to do properly (6+ hours each)	4/19/2017 7:40 AM
3	For me personally i find it really difficult creating a video, as the amount of time I invest into it in my opinion isn't necessary for understanding the concepts. I just wish that for people who aren't the most confident that a prac report could suffice instead, as the quality in my case is far better than my videos.,	4/19/2017 7:40 AM
4	The video Lab Reports are overly time consuming, unhelpful, pointless and take away a lot of time I would rather spend doing the webassigns.	4/19/2017 7:39 AM
5	Takes too long to make a high quality video. If you don't want a bad video be prepared to take a whole Saturday to make it.	4/19/2017 7:38 AM
6	They are hard and take lots of time but I guess help with learning the stuff but still	4/18/2017 7:50 AM
7	Yeah. But they are time consuming.	4/18/2017 7:45 AM
8	I don't particularly enjoy making the videos or watching them either	4/18/2017 7:44 AM

### Q20 Preparing the video lab reports helped me improve my presentation skills

Answered: 89 Skipped: 1

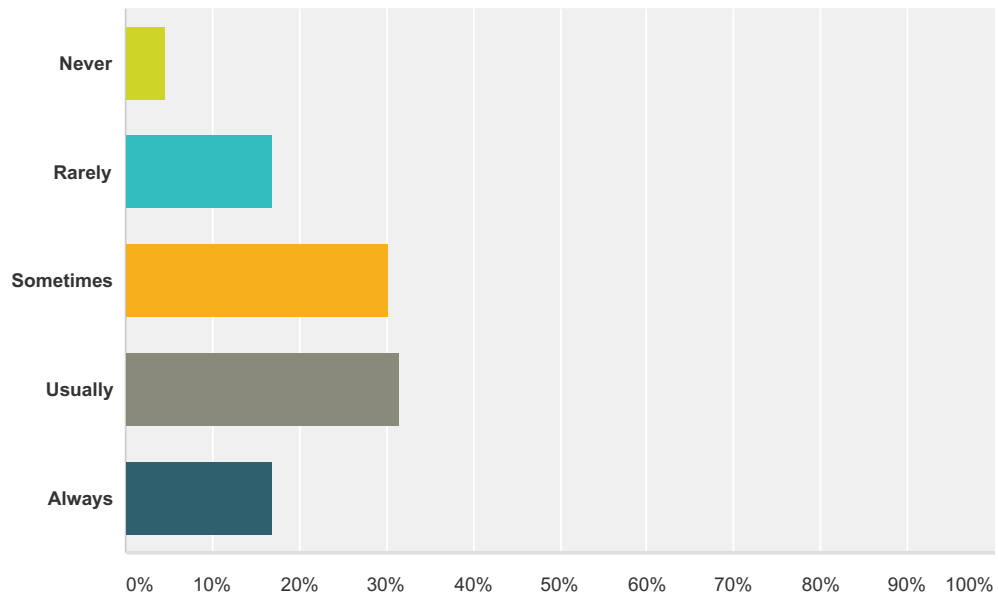


Answer Choices	Responses	Count
Never	4.49%	4
Rarely	11.24%	10
Sometimes	30.34%	27
Usually	30.34%	27
Always	23.60%	21
<b>Total</b>		<b>89</b>

#	Other (please specify)	Date
1	My video editing is characteristic of me. If I'm not told to change it. I will continue to produce the same quality content.	4/19/2017 3:38 PM
2	Yeah, but i spend more time on production quality than physics.	4/18/2017 3:45 PM

### Q21 Students sharing their ideas via the videos contributed to my learning

Answered: 89 Skipped: 1

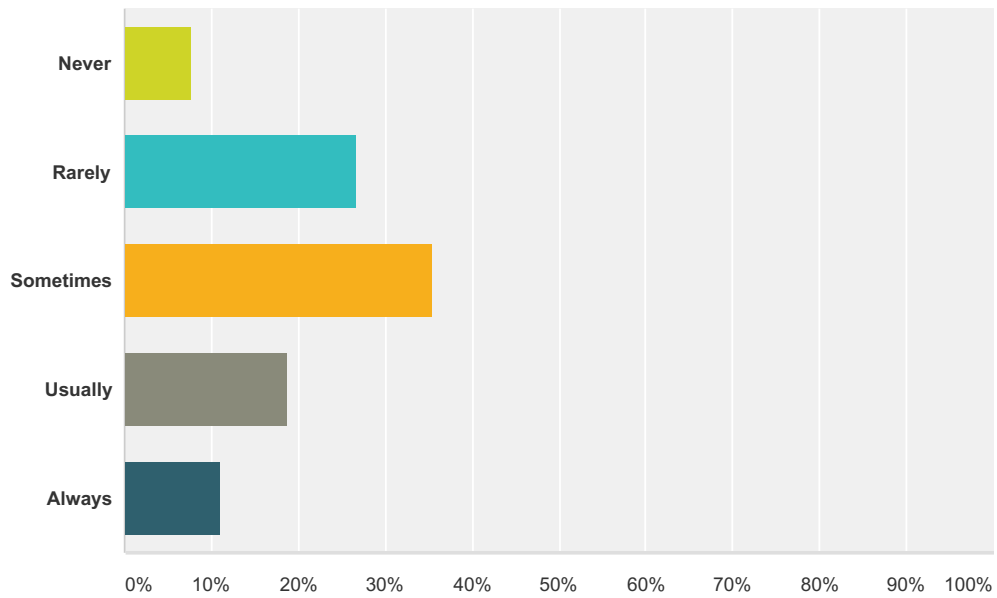


Answer Choices	Responses	
Never	4.49%	4
Rarely	16.85%	15
Sometimes	30.34%	27
Usually	31.46%	28
Always	16.85%	15
<b>Total</b>		<b>89</b>

#	Other (please specify)	Date
1	Often students appear to not follow the rubric / marking criteria, resulting in a video that only tells half the story	4/19/2017 3:40 PM
2	Not always in terms of concepts but in how they present them.	4/19/2017 3:40 PM
3	Everyone pretty much does the same thing	4/18/2017 3:50 PM

### Q22 The peer review process contributed to my learning

Answered: 90 Skipped: 0

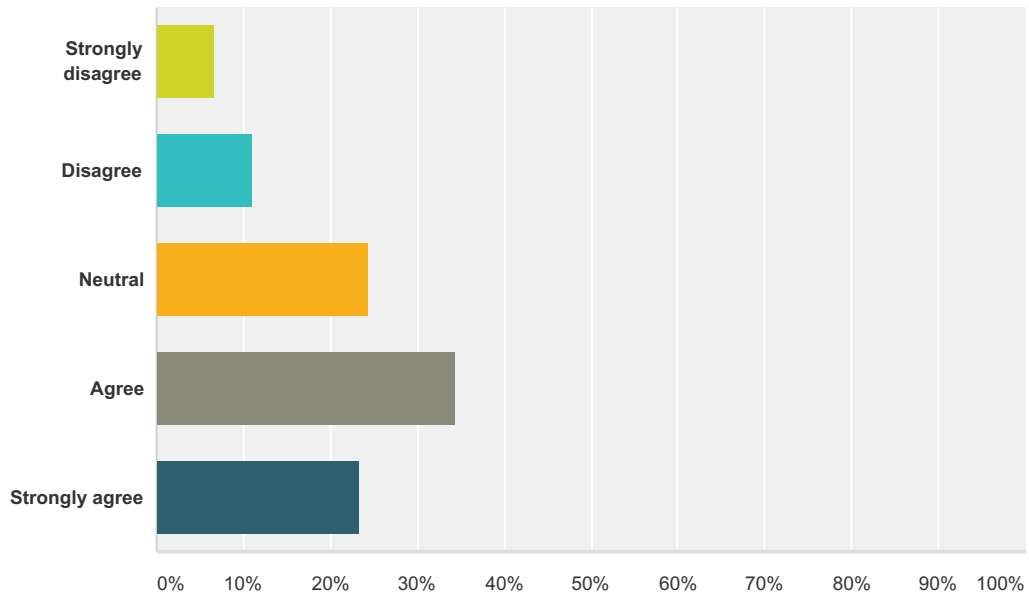


Answer Choices	Responses
Never	7.78% 7
Rarely	26.67% 24
Sometimes	35.56% 32
Usually	18.89% 17
Always	11.11% 10
<b>Total</b>	<b>90</b>

#	Other (please specify)	Date
1	I don't even know how to see what they wrote	4/19/2017 3:38 PM
2	The student reponses were usually "good :)" which really isn't constructive. The tutors' responses were best.	4/18/2017 3:46 PM

### Q23 Do you think the video lab reports capture your work in the lab better than a written lab report does?

Answered: 90 Skipped: 0

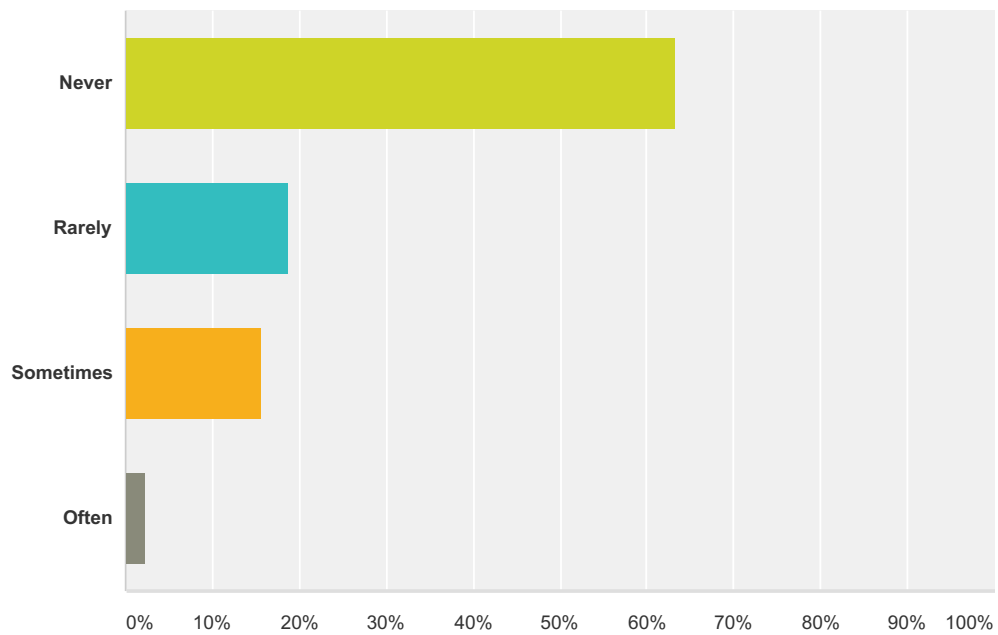


Answer Choices	Responses
Strongly disagree	6.67% 6
Disagree	11.11% 10
Neutral	24.44% 22
Agree	34.44% 31
Strongly agree	23.33% 21
<b>Total</b>	<b>90</b>

#	Other (please specify)	Date
1	They're certainly more digestible, however they serve the same purpose as a traditional lab report	4/19/2017 7:40 AM
2	I prefer the videos to written lab reports as they are fun to make.	4/19/2017 7:40 AM
3	Pro: 5 minute videos encourage concision Con: Sometimes the time required to make a clear, well structured video is a bit much.	4/18/2017 7:44 AM

### Q24 I have produced short videos before this course in my personal or student life

Answered: 90 Skipped: 0



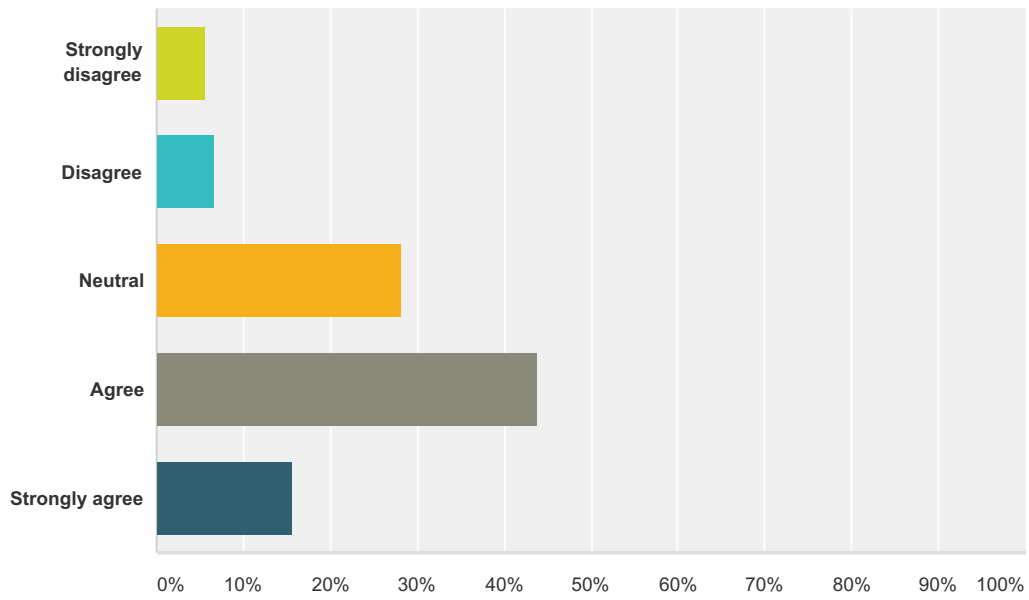
Answer Choices	Responses
Never	63.33% 57
Rarely	18.89% 17
Sometimes	15.56% 14
Often	2.22% 2
<b>Total</b>	<b>90</b>

#	Other (please specify)	Date
1	I have made videos for multiple people in the past. Both paid for by businesses and and unpaid personal videos	4/19/2017 3:40 PM
2	And I have to software to make them that is free so they are always super shitty	4/18/2017 3:51 PM



**Q25 I see preparing videos as a useful tool for improving my communication skills**

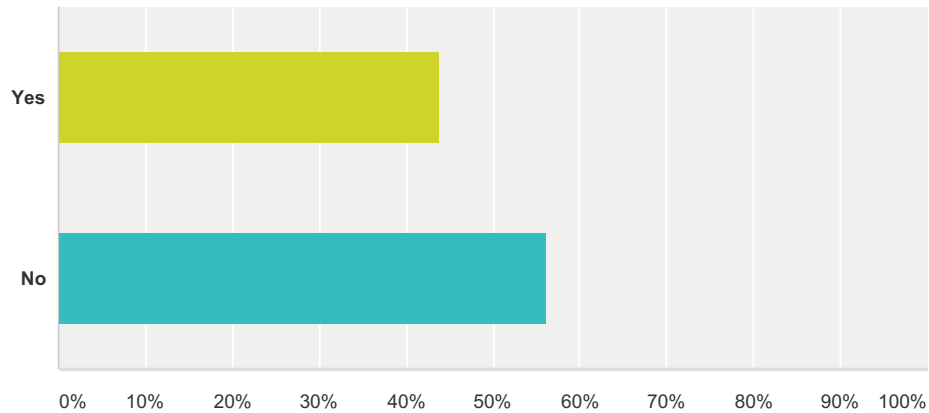
Answered: 89 Skipped: 1



Answer Choices	Responses	Count
Strongly disagree	5.62%	5
Disagree	6.74%	6
Neutral	28.09%	25
Agree	43.82%	39
Strongly agree	15.73%	14
<b>Total</b>		<b>89</b>

### Q26 Do you attend the online tutorials?

Answered: 89 Skipped: 1



Answer Choices	Responses
Yes	43.82% 39
No	56.18% 50
<b>Total</b>	<b>89</b>

#	Why/ why not?	Date
1	I forget	4/19/2017 3:48 PM
2	Just haven't got around to it	4/19/2017 3:46 PM
3	For help with webassign	4/19/2017 3:44 PM
4	They are great for questions and concepts you need clarification on	4/19/2017 3:43 PM
5	I prefer to figure out the question myself or face to face asking the professor	4/19/2017 3:43 PM
6	They are usually on at an inconvenient time.	4/19/2017 3:43 PM
7	I am too lazy.	4/19/2017 3:42 PM
8	I do sometimes, depends on whether I get organised in time and how much I'm struggling with webassign that week.	4/19/2017 3:42 PM
9	I often have something on during the evenings they are running ie studying or completing assignments.	4/19/2017 3:42 PM
10	I generally run out of time to attend them, due to completing other uni work. sometimes i just forget	4/19/2017 3:41 PM
11	I find the content quite manageable without asking for external help	4/19/2017 3:41 PM
12	Help with web assign	4/19/2017 3:41 PM
13	Sharmila's feedback is really useful when tackling difficult or extraneous concepts in the webassign problems, and having active feedback that addresses that from someone with a background in tutoring has helped me understand quite a lot of things.	4/19/2017 3:41 PM
14	The online tutorials are usually held at a time when I am working on something else.	4/19/2017 3:40 PM
15	They are at inconvenient times, and I don't fully enjoy the idea of them being online	4/19/2017 3:40 PM
16	simply haven't gotten around to it	4/19/2017 3:40 PM
17	The times that they are available generally do not suit	4/19/2017 3:40 PM
18	I'm usually working when they are on.	4/19/2017 3:40 PM
19	I usually have more pressing study to do at the time	4/19/2017 3:40 PM

## FOUNDATIONS IN PHYSICS - mid semester survey 2017

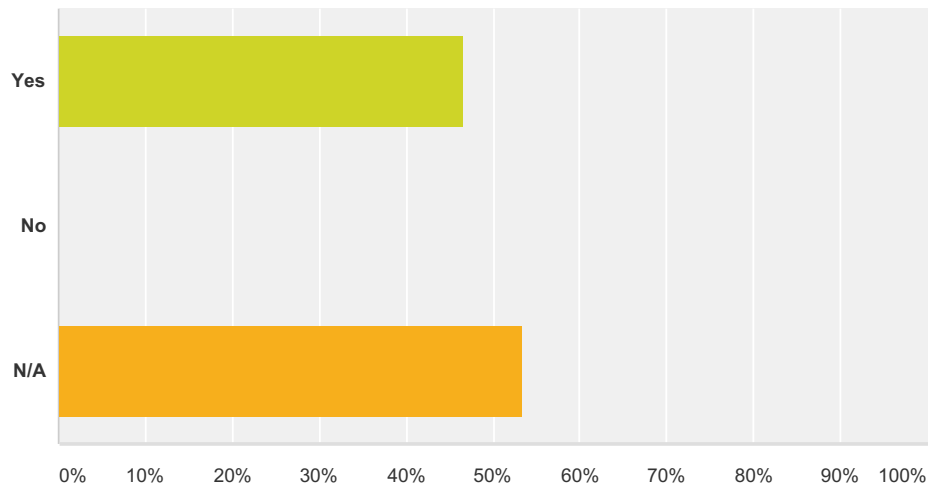
20	There is not enough time to ask anyone else questions about webassign Also, she's super awesome!!!	4/19/2017 3:40 PM
21	Need help with webassign, I like being able to have someone actually explain things to me rather than reading a textbook. They're at a time that's convenient and I like the fact that they're optional.	4/19/2017 3:40 PM
22	Need help	4/19/2017 3:39 PM
23	They are useful in getting help with the harder web assign questions	4/19/2017 3:39 PM
24	When I am able to they are a good time to consolidate and clarify concepts/homework	4/19/2017 3:39 PM
25	Work/life commitments.	4/19/2017 3:39 PM
26	It seems to be that one thing that get's replaced by something slightly more important at the time	4/19/2017 3:39 PM
27	They are interesting and useful.	4/19/2017 3:39 PM
28	I have never done physics before, so online tutorials are good for me to learn as much stuff as possible.	4/19/2017 3:39 PM
29	Too busy	4/19/2017 3:38 PM
30	didn't know there is an online tutorial	4/19/2017 3:38 PM
31	Time	4/19/2017 3:38 PM
32	Because they are helpful and interesting	4/18/2017 4:00 PM
33	They are very helpful	4/18/2017 3:56 PM
34	Because they are helpful and always a good kinda break from study	4/18/2017 3:53 PM
35	I did once	4/18/2017 3:52 PM
36	Cannot attend at that time.	4/18/2017 3:50 PM
37	It's not a high priority	4/18/2017 3:49 PM
38	Not enough time, as I have too much other assessment.	4/18/2017 3:48 PM
39	I think they're helpful especially when it comes to the webassign quizzes	4/18/2017 3:48 PM
40	I find it's an awkward time	4/18/2017 3:48 PM
41	I forget we have online tutorials.	4/18/2017 3:48 PM
42	Parental restrictions	4/18/2017 3:47 PM
43	My home internet connection is shit. Also I dont have facebook. So I've never even seen the link.... If its watter friendly sort that out...	4/18/2017 3:47 PM
44	I'm lazy	4/18/2017 3:47 PM
45	I don't know there is such a thing!	4/18/2017 3:47 PM
46	I think sometimes, self-study suit for me.	4/18/2017 3:47 PM
47	To get insight on alternative ways of looking at and completing homework questions.	4/18/2017 3:47 PM
48	Occasionally	4/18/2017 3:46 PM
49	Haven't been able to find the time in most cases.	4/18/2017 3:46 PM
50	They help me understand difficult questions and concepts	4/18/2017 3:46 PM
51	I try to attend them, however I often have other things on...	4/18/2017 3:46 PM
52	Keep forgetting about them.	4/18/2017 3:46 PM
53	I am usually busy in the evenings with sport most nights of the week	4/18/2017 3:46 PM
54	They're incredibly helpful and as I work full time they are the only contact time I have outside of labs.	4/18/2017 3:46 PM
55	They help with questions I have from the homework	4/18/2017 3:45 PM
56	My internet at home it quite shitty, and I don't find the time for them.	4/18/2017 3:45 PM
57	I get through webassign relatively fine	4/18/2017 3:45 PM
58	I dont have enough time =.= sorry	4/18/2017 3:45 PM

## FOUNDATIONS IN PHYSICS - mid semester survey 2017

59	I've only attended 2 or 3	4/18/2017 3:45 PM
60	Most times I am comfortable with the material and don't feel the need to.	4/18/2017 3:44 PM
61	I work usually during the times they're on	4/18/2017 3:44 PM
62	I do not think it is entirely necessary for me. In addition to that, the times for the tutorials are not good for me.	4/18/2017 3:44 PM

### Q27 If you attend online tutorials, do you find them useful? Why/why not?

Answered: 86 Skipped: 4



Answer Choices	Responses	Count
Yes	46.51%	40
No	0.00%	0
N/A	53.49%	46
<b>Total</b>		<b>86</b>

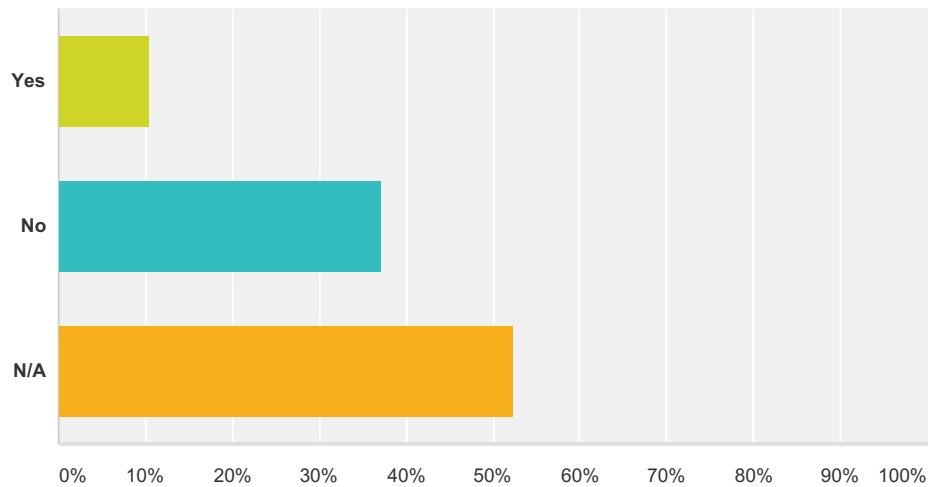
#	Why/ why not?	Date
1	Depends on the tutorial- sometimes you may already know how to do a question so they aren't helpful. However other times sharmilla goes through questions you haven't done which helps you understand it	4/19/2017 3:44 PM
2	Sharmilla is awesome and is great at explaining the questions and processes around them, as well as the concepts they involve. It's not just sitting there having her give you the answer you helps you get it on your own and helps step you through the thought patterns	4/19/2017 3:43 PM
3	If I'm really struggling, they are definitely helpful.	4/19/2017 3:42 PM
4	At times yes. At other times no as they can go quite off topic for extended periods of time. 15+ minutes	4/19/2017 3:41 PM
5	See my previous answer.	4/19/2017 3:41 PM
6	They are extremely useful, Sharmila is a great tutor and it helps my learning greatly.	4/19/2017 3:40 PM
7	It's useful how they either walk me through a question or give me hints on how to start it.	4/19/2017 3:40 PM
8	I get help	4/19/2017 3:39 PM
9	They help me to approach the harder web assign questions	4/19/2017 3:39 PM
10	They help me understand concepts.	4/19/2017 3:39 PM
11	Because they help to go through difficult problems	4/18/2017 4:00 PM
12	Good instant feedback and clarification of concepts	4/18/2017 3:56 PM
13	See above	4/18/2017 3:53 PM
14	Sharmilla helps go through some of the more difficult problems and helps my understand the concepts behind them better	4/18/2017 3:48 PM

## FOUNDATIONS IN PHYSICS - mid semester survey 2017

15	self-studying is sufficient for me.	4/18/2017 3:47 PM
16	A second perspective on how to answer questions is given, helps consolidate equations that are often confusing when taught only in lecture and through textbook.	4/18/2017 3:47 PM
17	There is the opportunity to ask specific questions that I may be struggling with and there is the flexibility to discuss anything including key concepts, technical questions or anything else physics related. It also opens a platform to learn from other students.	4/18/2017 3:47 PM
18	They help me understand difficult questions and concepts	4/18/2017 3:46 PM
19	Sharmila is clear and helpful. Having the chance to ask questions and go over material outside of 9-5 teaching hours is super helpful.	4/18/2017 3:46 PM

### Q28 If you attend the online tutorials, do you share your own webcam?

Answered: 86 Skipped: 4



Answer Choices	Responses	
Yes	10.47%	9
No	37.21%	32
N/A	52.33%	45
<b>Total</b>		<b>86</b>

#	Why/ why not?	Date
1	I prefer to observe rather than participate	4/19/2017 7:44 AM
2	It's late and other people are in the room.	4/19/2017 7:43 AM
3	Personal preference.	4/19/2017 7:41 AM
4	I like being on camera? Nah, It lets me show working out on paper or whatever whilst discussing problems.	4/19/2017 7:41 AM
5	I share it because she requested people turn on their videos. I also find it helpful if she can see me nodding etc. I would feel better if more people did it though.	4/19/2017 7:40 AM
6	I'm in my pjs, in bed, sometimes I brush my teeth or eat dinner. I'm sure others don't really want to see that	4/19/2017 7:40 AM
7	It's embarrassing	4/19/2017 7:39 AM
8	I don't want other people to see me	4/19/2017 7:39 AM
9	dont have one	4/19/2017 7:39 AM
10	N/A	4/18/2017 8:00 AM
11	often eating dinner	4/18/2017 7:56 AM
12	Yep and am practically the only one. Why? because i don't care what I look like or what people think of me	4/18/2017 7:53 AM
13	Don't want the public to see my face or my bedroom	4/18/2017 7:50 AM
14	dont want to	4/18/2017 7:47 AM
15	Don't want to.	4/18/2017 7:47 AM
16	I'm usually in bed or eating dinner or something so I don't really feel comfortable with having it on.	4/18/2017 7:47 AM

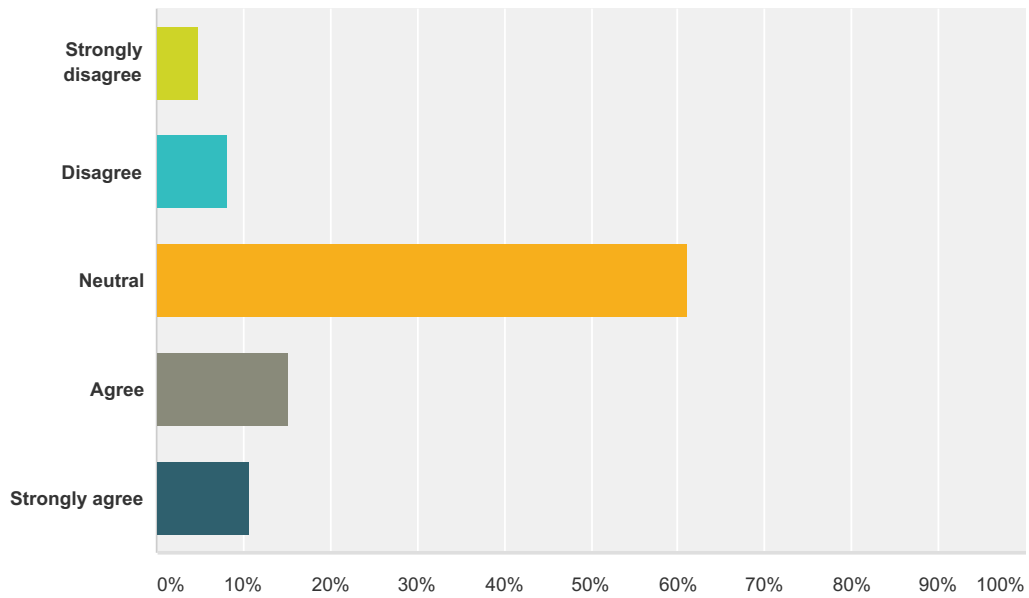
## FOUNDATIONS IN PHYSICS - mid semester survey 2017

17	I look ugly in pyjamas ??	4/18/2017 7:46 AM
18	My room is disgusting	4/18/2017 7:46 AM
19	Pjs	4/18/2017 7:46 AM
20	Because I consider it courteous	4/18/2017 7:46 AM
21	i'm in my pyjamas	4/18/2017 7:45 AM
22	Webcam doesn't work	4/18/2017 7:45 AM



**Q29 I find the web tutorials as effective as in-person tutorials.**

Answered: 85 Skipped: 5



Answer Choices	Responses
Strongly disagree	4.71% 4
Disagree	8.24% 7
Neutral	61.18% 52
Agree	15.29% 13
Strongly agree	10.59% 9
<b>Total</b>	<b>85</b>

### Q30 Any suggestions for how we could improve the online tutorials?

Answered: 17 Skipped: 73

#	Responses	Date
1	When asking questions don't force people to answer by turning on their microphones. If no one answers the question it means no one knows the answer so just explain it instead of embarrassing people.	4/19/2017 7:44 AM
2	Nah they are great! But only thing would be that they are able to be recorded as I can't attend one every week so it's frustrating to not be able to go back and watch it for help	4/19/2017 7:43 AM
3	I really don't like web tutorials and I don't find it useful.	4/19/2017 7:42 AM
4	Not applicable, haven't done any	4/19/2017 7:41 AM
5	Maybe hold more with more tutors? But other than that, they are fantastic!!	4/19/2017 7:40 AM
6	Maybe one where they go over purely conceptual stuff, a bit more lecture like and the other 2 are just webassign questions.	4/19/2017 7:40 AM
7	out them later in the week, closer to the due time of the homework.	4/19/2017 7:39 AM
8	N/A	4/18/2017 8:00 AM
9	they are great	4/18/2017 7:56 AM
10	Don't call on people.please.	4/18/2017 7:52 AM
11	The online tutorials are very helpful	4/18/2017 7:48 AM
12	not at all	4/18/2017 7:47 AM
13	Where is the link?	4/18/2017 7:47 AM
14	Encourage students to come prepared with questions to ask.	4/18/2017 7:47 AM
15	N/A	4/18/2017 7:46 AM
16	Nope they're very well done	4/18/2017 7:46 AM
17	no they're good :)	4/18/2017 7:45 AM

### Q31 The things I am finding most difficult are.....

Answered: 79 Skipped: 11

#	Responses	Date
1	Part C	4/19/2017 3:51 PM
2	Creating the videos for the lab reports as I feel a proper lab report would demonstrate my skills better. As for me when creating a video, it is quite a daunting task personally. Then again that's just my personnel preference.	4/19/2017 3:51 PM
3	Part C of the webassign	4/19/2017 3:50 PM
4	Some of the concepts are challenging to understand. There is also a lot of work; between the lab videos, reports, peer assessment and the web assign i spend a lot of time doing physics. Some times trying to figure out an experiment is hard.	4/19/2017 3:50 PM
5	Part C of the assignments, particularly confirming whether answers are correct because of only one attempt	4/19/2017 3:48 PM
6	- The quizzes	4/19/2017 3:47 PM
7	Some of the concepts are confusing. And it's hard to make a video if you didn't understand the concepts in the lab.	4/19/2017 3:47 PM
8	Trying to remember all of the different concepts we have learnt and the way in which to answer questions.	4/19/2017 3:47 PM
9	Writing lab report	4/19/2017 3:45 PM
10	We assign part C	4/19/2017 3:45 PM
11	making lab videos and some questions on the web assign.	4/19/2017 3:45 PM
12	Multi-step problems on webassign. I don't know the formulas well enough to know when to integrate them I'm still struggling with some of the conceptual concepts as well	4/19/2017 3:45 PM
13	Use theory learned into questions.	4/19/2017 3:45 PM
14	The homework is hard and very long but iTs helpful	4/19/2017 3:45 PM
15	Making Videos. Having no background in using video software and no guidance has made it very hard to present information in an engaging way.	4/19/2017 3:45 PM
16	understand the theory just by reading	4/19/2017 3:44 PM
17	How we don't do equations and that in lecture and labs, but then the web assign is only those equation questions.Also there is a lot of work, the web assigns take a while because there are so many questions and on top of that there is the lab videos and reports and peer reviewing sometimes it's too much with 3 other uni courses.	4/19/2017 3:44 PM
18	writing reports based on experiments some of the webassign questions	4/19/2017 3:44 PM
19	Solving the problems in part C of webassign	4/19/2017 3:43 PM
20	Learning the basic physics formulae and concepts (that every physics student should know) without a Year 11/12 physics background	4/19/2017 3:43 PM
21	The mathematics and remembering all the equations and what they do and how they work with other equations	4/19/2017 3:43 PM
22	Some of the concepts and the maths, especially in momentum	4/19/2017 3:42 PM
23	Creating the videos	4/19/2017 3:42 PM
24	Reading through the book and understanding everything properly from there.	4/19/2017 3:42 PM
25	Keeping up with the workload	4/19/2017 3:42 PM
26	Juggling the web assigns and the video labs. Both are extremely time consuming.	4/19/2017 3:41 PM
27	Staying on top of readings and revising previous concepts, as in I feel I have forgotten previous work	4/19/2017 3:41 PM
28	Part C of web assign questions. Also the lack of help for such questions besides the online tutorials.	4/19/2017 3:41 PM
29	Web-assign Concepts	4/19/2017 3:40 PM

## FOUNDATIONS IN PHYSICS - mid semester survey 2017

30	The web assign questions and the volume of reading.	4/19/2017 3:40 PM
31	Applying the concepts e.g. midsem.	4/19/2017 3:40 PM
32	Conecting concept to challengiong questions	4/19/2017 3:40 PM
33	The conceptual questions like those from the mid- sem exam.	4/19/2017 3:40 PM
34	Physics is taking up a lot of my time. The webassign quizzes are long and time consuming. I find that instead of learning the content I am cramming the math in just to finish the webassign quizzes. While I see real benefits in the videos and hey have been very beneficial in understanding the physics concepts, they are also very time consuming.	4/19/2017 3:40 PM
35	Wrapping my head around the intuition for some things.	4/19/2017 3:40 PM
36	Bribing tutors with tam-tam	4/19/2017 3:39 PM
37	completing all the homework in time.	4/19/2017 3:39 PM
38	The amount of work on top of everything else	4/18/2017 4:01 PM
39	the videos take a long time to do lectures on Friday don't work well	4/18/2017 4:00 PM
40	Understanding the physics behind stuff like maths is easy but physics.... that's just bloody confusing	4/18/2017 3:55 PM
41	Learning the equations, and incorporating them into questions.	4/18/2017 3:53 PM
42	Webassign	4/18/2017 3:53 PM
43	1)Getting help: drop in sessions are good but it would be nice if there was class in-person tutorials. 2)Remembering equations and concepts: so many concepts which are easy to mix up	4/18/2017 3:53 PM
44	Writing lab reports for physics. I think the process for writing articles could be much more in depth, and having a rubric available for the class to see would help improve my own writing skills for both lab reports and essays.	4/18/2017 3:52 PM
45	Getting my shit together	4/18/2017 3:52 PM
46	In general I find the webassign questions to be okay but I felt like I struggled quite a bit with the mid-semester exam. I guess this means that I'm finding understanding the key concepts to be difficult. Also, sometimes in the labs I struggle a bit with the flexibility and don't know how to go about performing experiments.	4/18/2017 3:52 PM
47	make up the lab videos.	4/18/2017 3:51 PM
48	Remembering all the equations and which concepts they relate to.	4/18/2017 3:51 PM
49	The amount of time I have to spend on filming the physics videos and editing, I feel the time could be used more constructively if the lab was presented in a report form rather than having to film and upload on youtube.	4/18/2017 3:51 PM
50	Remembering the vast amount of equations and theories required in the course	4/18/2017 3:51 PM
51	The recommended readings for homework arent integrated that well or relevent.	4/18/2017 3:51 PM
52	Lab videos, completing web assign without any feedback, understanding equations when they are not explained well in lectures and the textbook often has a different equation (ie written different/in different format).	4/18/2017 3:51 PM
53	The web assign quizzes take a lot of time and are often pretty hard. Part a is fine and usually part b but part c is pretty hard.	4/18/2017 3:51 PM
54	Recognising the calculations needed for questions that seem similar	4/18/2017 3:50 PM
55	The webassign quizzes are a bit time consuming	4/18/2017 3:50 PM
56	Applying the concepts learned in the lecture to more complex examples within the online quiz.	4/18/2017 3:50 PM
57	The most difficult are deeper understanding concepts in every physics class.	4/18/2017 3:50 PM
58	I find remembering the equations the hardest, when whenever I do the web assign questions I have the textbook to refer too.	4/18/2017 3:50 PM
59	webassign part c	4/18/2017 3:49 PM
60	Not having a physical copy of the book	4/18/2017 3:49 PM
61	Web Assigns	4/18/2017 3:49 PM
62	Remembering everything, all the formulas and laws.	4/18/2017 3:49 PM
63	Completing the bulk of the learning online, rather than in person. Although all the content is available online I find it easier and less ambiguous to learn in person.	4/18/2017 3:49 PM

## FOUNDATIONS IN PHYSICS - mid semester survey 2017

64	Approaching questions	4/18/2017 3:48 PM
65	web assign questions. the lectures rarely seem to give us enough skills to navigate these questions...	4/18/2017 3:48 PM
66	EXPERIMENT	4/18/2017 3:48 PM
67	The overall content is challenging. Also the pace of the lesson often feels hurried so you have to self learn most of the time	4/18/2017 3:48 PM
68	Part C of web-assign tasks. Being more involved in labs/pracs. Using the learned concepts in questions.	4/18/2017 3:48 PM
69	Finding the time to make videos, as well as doing all the homework	4/18/2017 3:48 PM
70	keeping up with the rapid pace of the course	4/18/2017 3:47 PM
71	the amount of webassign is too much for me, and making videos so frequently can hinder other learning opportunities sometimes because they take so much time. The concepts are the hardest art for me rather than the maths.	4/18/2017 3:47 PM
72	Video lab reports	4/18/2017 3:47 PM
73	Allowing enough time to go deep into the physics concepts and material.	4/18/2017 3:46 PM
74	keeping on top of assessment	4/18/2017 3:46 PM
75	Web assign test C	4/18/2017 3:46 PM
76	Making a good lab video and Part C of the quizzes	4/18/2017 3:46 PM
77	Keeping on top of the web assign	4/18/2017 3:45 PM
78	Doing the videos	4/18/2017 3:44 PM
79	Part C of the WebAssign homework.	4/18/2017 3:44 PM

### Q32 Which two or three specific aspects of this course are contributing most to your learning?

Answered: 76 Skipped: 14

#	Responses	Date
1	doing the lab work in groups - you use each other ideas making the videos - helps me explain what I'm learning the webassign qs - the maths help me visualise some of the concepts we learn	4/19/2017 3:51 PM
2	The lab sessions and the lectures.	4/19/2017 3:51 PM
3	Webassign and the textbook. Tutorials.	4/19/2017 3:50 PM
4	the webassign is helping quite a bit, because it helps going through the textbook	4/19/2017 3:50 PM
5	- The labs are run quite well, it's helpful having many tutors available - The WebAssign questions confirm if I understand the concepts	4/19/2017 3:48 PM
6	- The labs - The lectures - Working with my group in the labs	4/19/2017 3:47 PM
7	The labs are great and effective at demonstrating real world applications for these concepts. Plus it helps to apply the equations to real world situations too. It's great to be able to have the freedom to design your own lab. Online tutorials to get assistance on concepts I'm confused about. Lectures- they are well set out and I like how there are key concepts rather than a whole bunch of information to learn.	4/19/2017 3:47 PM
8	Reading the text book after the lectures really helps me. I wouldn't understand if I relied solely on the lectures. Writing up a transcript for a video forces you to understand the lab which I find really valuable. However the actual making of the video is very time consuming and not helpful.	4/19/2017 3:47 PM
9	Webassign Quizzes Asking Questions	4/19/2017 3:46 PM
10	Lab sessions,	4/19/2017 3:45 PM
11	Both Lab and lecture Lab let us think how to apply concept and get the data Lecture help us think algebraically and exam-oriented	4/19/2017 3:45 PM
12	Some of the reading sections mentioned in the web assign questions and watching other people explain concepts from labs.	4/19/2017 3:45 PM
13	Lectures, Webassign, textbook	4/19/2017 3:45 PM
14	Video and WebAssign	4/19/2017 3:45 PM
15	The labs, the homework and doing the video presentations	4/19/2017 3:45 PM
16	Webassign has helped me work through concepts in a practical way, as have the estimates and the experimental design part of our labs. Being able to translate concepts to work out solutions helps me build my understanding.	4/19/2017 3:45 PM
17	web assign, labs	4/19/2017 3:44 PM
18	webassign labs help from demonstrators	4/19/2017 3:44 PM
19	lab, video summaries	4/19/2017 3:43 PM
20	Lecturers' availability for questioning and feedback of my own work	4/19/2017 3:43 PM
21	1. Lectures 2. Pracs in lectures 3. Personal revision	4/19/2017 3:43 PM
22	The lectures and the labs	4/19/2017 3:42 PM
23	The lectures and labs.	4/19/2017 3:42 PM
24	Lectures teach concepts I'm unfamiliar with at a very abstract level, and the book reading certainly explains theory.	4/19/2017 3:42 PM
25	Being able to do so many labs and demos, having a lot less contact hours so I can just go through the lectures again at my own pace.	4/19/2017 3:42 PM
26	The lectures, the web assigns and the drop-in tutorials	4/19/2017 3:41 PM
27	The web assign tests are good at applying knowledge, the online tutorials, the labs	4/19/2017 3:41 PM

## FOUNDATIONS IN PHYSICS - mid semester survey 2017

28	Online tutorials and watching other peoples videos.	4/19/2017 3:41 PM
29	Online tutorials	4/19/2017 3:40 PM
30	The web assign questions, reading, lectures	4/19/2017 3:40 PM
31	Labs. Lectures. Webassign	4/19/2017 3:40 PM
32	Lab Videos, Lectures	4/19/2017 3:40 PM
33	Webassign questions, lectures	4/19/2017 3:40 PM
34	Videos, webassign	4/19/2017 3:40 PM
35	The intuitive explanations of Newtons laws.	4/19/2017 3:40 PM
36	Lab, web-assign	4/19/2017 3:39 PM
37	Group labs and lectures.	4/19/2017 3:39 PM
38	Labs Shamilla Lectures	4/18/2017 4:01 PM
39	online tutorial and lectures	4/18/2017 4:00 PM
40	Online tutes Actually engaging and fun tutors Demos Johnny's fun personality	4/18/2017 3:55 PM
41	Video lab report and the fun tutorials.	4/18/2017 3:53 PM
42	I dont know	4/18/2017 3:53 PM
43	1) Lab videos 2)Lab practicals	4/18/2017 3:53 PM
44	Webassign helps a lot with introducing ways to use the knowledge learned using the online textbook.	4/18/2017 3:52 PM
45	For the calculations I find the webassign questions to be the most useful. The labs assists in giving a practical understanding of the topic and the lecture is good for conveying the concepts themselves.	4/18/2017 3:52 PM
46	Preparing videos helps me understand the reason why the lab was done in a certain way, and having to explain it helps me.	4/18/2017 3:51 PM
47	WebAssign and online tutorials	4/18/2017 3:51 PM
48	The mathematics The critical thinking required in answering questions	4/18/2017 3:51 PM
49	lectures,videos	4/18/2017 3:51 PM
50	Writing summary notes of lectures and textbook. In order to actually learn from course, I have found it better to compile my own notes into my own words as sometimes things are poorly explained or not enough time is given to explain sufficiently.	4/18/2017 3:51 PM
51	The lab reports and the labs definitely help with my learning	4/18/2017 3:51 PM
52	Web assign and the labs	4/18/2017 3:50 PM
53	The labs and making the videos are very helpful in terms of understanding the concepts of what we learned that week	4/18/2017 3:50 PM
54	- Independent readings - Tutorial sessions	4/18/2017 3:50 PM
55	presentation, communication, critical thinking.	4/18/2017 3:50 PM
56	I think that the webassign having weekly quizzes inorder make sure we keep up to date is good. The labs with the experiments are always helpful in terms of giving me practical knowledge.	4/18/2017 3:50 PM
57	videos	4/18/2017 3:49 PM
58	The group labs and the lectures	4/18/2017 3:49 PM
59	Videos	4/18/2017 3:49 PM
60	Lectures, labs and webassign.	4/18/2017 3:49 PM
61	Labs, lectures.	4/18/2017 3:49 PM
62	1. Working with team helps me a lot.	4/18/2017 3:49 PM
63	Communication and critical thinking.	4/18/2017 3:48 PM
64	Group work, video presentation/ demonstration and calculus	4/18/2017 3:48 PM

## FOUNDATIONS IN PHYSICS - mid semester survey 2017

65	The labs/pracs help me understand how some of the equations/formulas work. Web-assign help me understand some of the concepts.	4/18/2017 3:48 PM
66	Online tutorials, Having lots of tutors/mentors present in the labs, Webassign with links to the relevant sections of the textbook. Johnny's presentation	4/18/2017 3:48 PM
67	labs and webassigns	4/18/2017 3:47 PM
68	I like that there's not too many lectures so you feel left behind. I think the videos are really beneficial although too many can not be so beneficial. The lectures are really well done and get straight to the point rather than talking about heaps of irrelevant information.	4/18/2017 3:47 PM
69	Lab and webassign	4/18/2017 3:47 PM
70	Labs, video tutorials, weekly assignments.	4/18/2017 3:46 PM
71	web assign, labs	4/18/2017 3:46 PM
72	Labs Tutorial s	4/18/2017 3:46 PM
73	The theory lectures are really helpful as well as the readings from the textbooks	4/18/2017 3:46 PM
74	web assign and labs	4/18/2017 3:45 PM
75	Labs and webassign	4/18/2017 3:44 PM
76	Teamwork in labs and the lectures.	4/18/2017 3:44 PM



### Q33 Please suggest one or two specific, practical changes that could improve learning in this course

Answered: 56 Skipped: 34

#	Responses	Date
1	Nothing, it's already perfect	4/19/2017 3:51 PM
2	If there could be more avenues to get assistance in understanding the concepts covered during the lectures. The drop in session is helpful its just that depending on someone's schedule they can't necessarily attend. Alongside a more options for submitting lab reports.	4/19/2017 3:51 PM
3	This is the best course I wish my others were more like this.	4/19/2017 3:50 PM
4	slightly less work, maybe more examples and working through questions	4/19/2017 3:50 PM
5	Option of either weekly report or videos	4/19/2017 3:48 PM
6	- They're perfect as they are <3	4/19/2017 3:47 PM
7	Less work for more percentage. There is a lot of work in this course that only accounts for a small amount of time. The videos take longer than would be expected, and I know everyone spends hour after hour on webassign when each weekly set of quizzes is only like 3%.	4/19/2017 3:47 PM
8	Instead of making videos every second week, we should submit a report or a transcript of a video every week. The making of the video takes away so much valuable time that I could be using to read the text book.	4/19/2017 3:47 PM
9	No online tutorial. Rather have class tutorial sessions	4/19/2017 3:45 PM
10	Decrease the workload in webassign . Replace some question in webassign in quiz may help us do better in exam	4/19/2017 3:45 PM
11	Practicing applicable equations explained in short videos as opposed to learning from textbooks.	4/19/2017 3:45 PM
12	Maybe another lecture space	4/19/2017 3:45 PM
13	More in depth lecture slides for better revision	4/19/2017 3:44 PM
14	-written lab summary instead of doing a video, I feel like it takes more time to do than it should. -perhaps doing more physics exercises in the lectures rather than mainly learning concepts.	4/19/2017 3:44 PM
15	Don't assume that every student has done physics before as it may feel very daunting for them initially. In the first few weeks or so, if a particular formula or concept is needed and is assumed as common knowledge, explain what it is/means anyway for the students who may not know.	4/19/2017 3:43 PM
16	Put in some how to do webassign questions. Especially part C questions because i try them every week and I get the wrong every week	4/19/2017 3:43 PM
17	Perhaps having some in person tutorials??	4/19/2017 3:42 PM
18	Not really sure.	4/19/2017 3:42 PM
19	Perhaps going into more depth into the content (as seen in the book) in lectures would make understanding the theory easier. Personally I would find if more mathematics was used that some things might become a bit more concrete and easier to comprehend.	4/19/2017 3:42 PM
20	I don't really have one :/	4/19/2017 3:42 PM
21	Get rid of the the lab videos.	4/19/2017 3:41 PM
22	More online or face to face tutorials.	4/19/2017 3:41 PM
23	More help	4/19/2017 3:40 PM
24	Not presenting labs in video form as time making the video could be better used in another area	4/19/2017 3:40 PM
25	Amount of Web Assign homework - by the end of thee parts I'm over it and give up	4/19/2017 3:40 PM
26	Better lab sessions	4/19/2017 3:40 PM
27	I think it would be useful to go over some example math question for each topic in the lectures	4/19/2017 3:40 PM

## FOUNDATIONS IN PHYSICS - mid semester survey 2017

28	Less webassign, more help with labs	4/18/2017 4:01 PM
29	less videos and less webassign , less but more targeted	4/18/2017 4:00 PM
30	Less of the videos More bonus questions on webassign so that i can get more wrong	4/18/2017 3:55 PM
31	Stating the equations that will be the most useful for each topic.	4/18/2017 3:53 PM
32	N/A	4/18/2017 3:53 PM
33	1)In person group tutorials	4/18/2017 3:53 PM
34	Maybe going over the equations a bit more in the lectures	4/18/2017 3:51 PM
35	More lectures and the lectures should be more closely related to the WebAssign content.	4/18/2017 3:51 PM
36	More tutorials at the uni rather than purely online	4/18/2017 3:51 PM
37	better integrated homework	4/18/2017 3:51 PM
38	Stop assigning video labs! They are far too time consuming. They would be useful as a once off thing, but not consistently when students are already dealing with heavy workloads.	4/18/2017 3:51 PM
39	Physical tutorials so I actually come	4/18/2017 3:51 PM
40	An option to write lab reports or videos	4/18/2017 3:50 PM
41	- More food - Worked examples within the lecture instead of glossing over the basic concepts and equations required to solve them (if time permits).	4/18/2017 3:50 PM
42	In the lab we can choose our peers.	4/18/2017 3:50 PM
43	I think that personally I would benefit more from righting up short reports after our labs than doing the short videos	4/18/2017 3:50 PM
44	no change	4/18/2017 3:49 PM
45	revision/recaps in lectures before the test	4/18/2017 3:49 PM
46	N/A	4/18/2017 3:49 PM
47	No idea.	4/18/2017 3:48 PM
48	More practicals involving machinery. I like making things using effort outside as well	4/18/2017 3:48 PM
49	more muffins please :)	4/18/2017 3:47 PM
50	Shortening webassign would be really good as I could focus more on the questions rather than being like wow this is so much work I wanna get through this ASAP. Also maybe like 3 videos instead of 5 would be nice.	4/18/2017 3:47 PM
51	Better informed lectures/notes and understandable theory	4/18/2017 3:47 PM
52	A textbook with clearer language and explanation.	4/18/2017 3:46 PM
53	more demonstrations	4/18/2017 3:46 PM
54	More worked examples during lectures and tutorials	4/18/2017 3:46 PM
55	Instead of online tutorials, it would be best to have tutorials at university as internet might be a problem for some students	4/18/2017 3:46 PM
56	chocolate bribes	4/18/2017 3:45 PM

### Q34 In a few words please tell us how this course is different from other courses you are doing at ANU?

Answered: 73 Skipped: 17

#	Responses	Date
1	there is less pressure on the exams and the is regular weekly work - more stuctured	4/19/2017 3:56 PM
2	not really sure, less lectures, a lot of extra work outside of classes	4/19/2017 3:53 PM
3	More evenly distributed assessment. Clearer explanation in lectures. Regular homework at multiple levels to help with learning.	4/19/2017 3:52 PM
4	- It actually concentrates on learning rather than exams (praise the lord) - I enjoy the labs (unlike chem)	4/19/2017 3:50 PM
5	Far more practical, quite a non-traditional structure which makes it quite enjoyable	4/19/2017 3:50 PM
6	Taught by people who actually know how to teach. It's not just having a student who may understand the concept but can't teach or explain. Where as here, we have johnny who is good with all that and all the tutors give you the time of day and can explain the concepts. Also interactive and interesting	4/19/2017 3:49 PM
7	This course is a lot more fun than other courses	4/19/2017 3:48 PM
8	Friendly lecturer and open-ended thinking skill in lab section	4/19/2017 3:48 PM
9	I really love it. Everyone is so so friendly and passionate. It makes me excited about physics. The labs are very relaxed and fun.	4/19/2017 3:48 PM
10	Understanding the key concepts need my own effort. I have to rely heavily on textbook and webassign homework rather than lectures and tutorials.	4/19/2017 3:48 PM
11	We get a chunk of information in the lecture, then sift through it using webassign. It gives opportunities to see if your understanding is correct.	4/19/2017 3:48 PM
12	It's a lot more hands on and taught in a way that really makes sure you know what you're doing. Other classes let you skim through not really understanding much and then you're screwed for the test. But in this class you really have to know your stuff and all the information explained really well	4/19/2017 3:48 PM
13	The constant practical application of concepts makes it easier to understand than the theory-heavy aspects of my other science courses.	4/19/2017 3:48 PM
14	The teachers are a little more engaging with the students.	4/19/2017 3:47 PM
15	fewer lecture hours online tutes instead of in person lab summaries	4/19/2017 3:47 PM
16	It's a lot more of a relaxed learning environment which is fun, and there's a lot less contact hours	4/19/2017 3:47 PM
17	I really enjoy it. Its a lot more engaging than my other courses. The lecturer seems really invested and the labs are super practical and enjoyable	4/19/2017 3:46 PM
18	Physics has online tutorials and lengthier quizzes. It also has a practical component.	4/19/2017 3:45 PM
19	There is a lot more homework and a lot more time spent on assessment that isn't worth very much. The practical aspect is a lot of fun though.	4/19/2017 3:45 PM
20	There is so much more work to do at home. Seriously. Even chemistry and Biology dont have this much work	4/19/2017 3:45 PM
21	Less formal and more practical	4/19/2017 3:44 PM
22	The labs are really different and how they're all group work. The lab videos I've never done anything like that. In my other courses they are a lot less interactive.	4/19/2017 3:44 PM
23	Lecturing style, assessments are different	4/19/2017 3:44 PM
24	Our labs are less structured than in other courses, which is a different way to	4/19/2017 3:43 PM
25	Way more interactive which is fantastic. The labs are more challenging and fun compared to biology and chemistry, I actually learn alot more from them. Also, the exams that do not focus on web assign are really really.	4/19/2017 3:43 PM

## FOUNDATIONS IN PHYSICS - mid semester survey 2017

26	It's much more time consuming	4/19/2017 3:42 PM
27	It is more hands on, fewer lectures, larger volume on learning done at home	4/19/2017 3:42 PM
28	More practical. Far less focus on exams which makes the course a lot more enjoyable and less stressful. I actually look forward to learning new things rather than stressing about more things to cram for the exam.	4/19/2017 3:42 PM
29	Online tutorials Lots of work	4/19/2017 3:41 PM
30	More Practical and hands on experience than a lot of courses	4/19/2017 3:41 PM
31	It is set out differently - I like it!	4/19/2017 3:41 PM
32	More practical aspects. Also no other courses make videos.	4/19/2017 3:41 PM
33	More focus on intuition, less on calculation	4/19/2017 3:41 PM
34	The course is very interactive and the labs are entertaining and very engaging.	4/19/2017 3:40 PM
35	More informal with lot more group work	4/19/2017 3:40 PM
36	It is better.	4/19/2017 3:40 PM
37	Its more hands on! Which is a lot better	4/18/2017 4:03 PM
38	not much different other than material	4/18/2017 4:02 PM
39	It's harder but weirdly more fun. Guess the people are cooler	4/18/2017 3:56 PM
40	Way more fun lecture , more fun experiments and the freedom you are given each tutorial	4/18/2017 3:55 PM
41	The practical experiments shown and done by people in the labs are very cool and informative, and allow me to see what you can actually do in physics.	4/18/2017 3:55 PM
42	Hands on experience and alot of fun. Practical more than theoretical.	4/18/2017 3:55 PM
43	It has less lectures	4/18/2017 3:54 PM
44	Practical based learning. Very little guidance given.	4/18/2017 3:53 PM
45	There is more weekly work to complete but there is a greater practical aspect.	4/18/2017 3:53 PM
46	We have to make a video and is more interactive than the other courses I'm doing.	4/18/2017 3:52 PM
47	There are a lot less lectures but the homework is more time consuming	4/18/2017 3:52 PM
48	Much more independent study is needed in this course, I think this is good to an extent but sometimes when you are trying to do the homework and haven't even touched any of this information in lectures it is very hard to follow and frustrating.	4/18/2017 3:52 PM
49	Other courses I taking does not require team work.	4/18/2017 3:52 PM
50	Lecturer is infinitely more engaging and passionate about what is being taught. In relation to explaining the relevancy of convoluted concepts to other fields of study.	4/18/2017 3:52 PM
51	It's much more entertaining with hands on lab sessions	4/18/2017 3:52 PM
52	fun labs and lectures, they are more involved compared to other subjects	4/18/2017 3:52 PM
53	The video summary.	4/18/2017 3:52 PM
54	It's very hands on unlike most courses It's aslo interesting unlike most of my courses	4/18/2017 3:52 PM
55	I enjoy the hands on aspect in this class which is far better than always doing just theory.	4/18/2017 3:52 PM
56	We do physics	4/18/2017 3:51 PM
57	more interactive	4/18/2017 3:51 PM
58	It doesn't have in person tutorials	4/18/2017 3:51 PM
59	The practicals are fun!	4/18/2017 3:50 PM
60	More social, the students and lecturer are more helpful. It's more fun and we'll presented.	4/18/2017 3:50 PM
61	Less content is covered in person.	4/18/2017 3:50 PM
62	I like how informal the structure of the video lab reports are. I guess for me that means I can experiment with the format more. Which gives us more room for something interesting to happen. like comic videos...	4/18/2017 3:50 PM

## FOUNDATIONS IN PHYSICS - mid semester survey 2017

63	Of course. The concept of other course is much harder than this course. (e.g. MATH1115)	4/18/2017 3:50 PM
64	The lecturer/assistants in the labs are constantly going around helping and assisting groups. More hands-on approach to learning.	4/18/2017 3:50 PM
65	A lot less contact hours (thanks), but still reasonable. The online tutorials are different as well as having labs/workshops. Johnny is much more interactive than other lecturers which I think is really beneficial (thanks again), it makes us actually want to come to class. (Not that I don't want to go to other classes only sometimes)	4/18/2017 3:50 PM
66	more engaging	4/18/2017 3:49 PM
67	this course focuses a lot more on critical thinking	4/18/2017 3:49 PM
68	Much more practical, with an emphasis on concepts, not rote learning of formulas.	4/18/2017 3:49 PM
69	This course in my opinion is quite engaging and occasionally more homework is given out for this course; for example, in maths we only have one quiz due each week but for physics we have 3 quizzes. Making lab videos is also a very different assessment compared to the other assessments from other courses.	4/18/2017 3:49 PM
70	Johnny is really approachable and friendly, whereas my other lecturers seem kind of old, and if I approached them the conversation would be awkward. The course is also really interactive which is awesome. (with the demos in lectures and the labs)	4/18/2017 3:48 PM
71	very hands on	4/18/2017 3:48 PM
72	It has an interactive learning environment	4/18/2017 3:48 PM
73	N/A at this stage as I am part-time student.	4/18/2017 3:46 PM

### Q35 How do these differences impact on your learning?

Answered: 66 Skipped: 24

#	Responses	Date
1	it helps with planning out my time, and knowing how much time I will have to spend on work	4/19/2017 7:56 AM
2	run out of time to complete all work from all courses	4/19/2017 7:53 AM
3	It's much easier to learn.	4/19/2017 7:52 AM
4	- It's less pressure thus allowing me to learn better I feel	4/19/2017 7:50 AM
5	Am keen to go to labs as opposed to other subjects	4/19/2017 7:50 AM
6	Enjoy the course more and actually learn about physics and feel as though I have gained knowledge from taking this course	4/19/2017 7:49 AM
7	Think more about lab. Always think about uncertainty and assumption. Also allow us to design the lab ourselves to investigate sth which contributes to our critical thinking	4/19/2017 7:48 AM
8	Less stressful	4/19/2017 7:48 AM
9	There is no impact. Just a different learning style.	4/19/2017 7:48 AM
10	Helps me see that I am on track	4/19/2017 7:48 AM
11	I try to visualise concepts in other classes a bit more.	4/19/2017 7:48 AM
12	Being able to constantly check my understanding with practical application is really, really useful.	4/19/2017 7:48 AM
13	Concepts are easier to understand.	4/19/2017 7:47 AM
14	the labs help and the summaries are good would prefer to have more lecture hours and do more physics exercises similar to the webassign work.	4/19/2017 7:47 AM
15	It is a fun place to learn and I enjoy the classes however There's less time to learn the concepts	4/19/2017 7:47 AM
16	I tend to try a lot harder in this course	4/19/2017 7:46 AM
17	The practical and more hands on experience are more helpful when it comes to understanding the concepts	4/19/2017 7:45 AM
18	The practical aspect help my learning a lot, however assessment that is worth very little but takes a lot of time is hard to be enthusiastic about.	4/19/2017 7:45 AM
19	It makes me resent the class. Until I come back next week. Rinse and repeat.	4/19/2017 7:45 AM
20	Easier to enjoy the coursework	4/19/2017 7:44 AM
21	I learn better with the pracs.	4/19/2017 7:44 AM
22	Less lecturing means more work has to be done by myself, not sure how having to make videos affects learning, but it does somewhat detract from doing physics and focussing on making video.	4/19/2017 7:44 AM
23	I learn so much more and enjoy it more too.	4/19/2017 7:43 AM
24	They make me worry more about this course than others due to the heavy workload alone, not necessarily due to the difficulty	4/19/2017 7:42 AM
25	The practically in the labs helps to consolidate my learning.	4/19/2017 7:42 AM
26	Improve it completely. Exams stress me out more than most so the lesser focus is amazing.	4/19/2017 7:42 AM
27	Less time for other courses	4/19/2017 7:41 AM
28	Hands on/ Practical experience learn better, at least in my case	4/19/2017 7:41 AM
29	Open to different learning techniques - and Lab's let you apply the concepts better	4/19/2017 7:41 AM
30	I feel more confident in my knowledge.	4/19/2017 7:41 AM
31	Enjoy class more and like the fact you teach yourself a lot of it	4/19/2017 7:40 AM

## FOUNDATIONS IN PHYSICS - mid semester survey 2017

32	I enjoy coming to physics and am more engaged.	4/19/2017 7:40 AM
33	Less like a traditional course and more like we all try and learn together	4/18/2017 8:03 AM
34	n/a	4/18/2017 8:02 AM
35	Betters it	4/18/2017 7:56 AM
36	The make the environment more enjoyable and easier to learn about the subject	4/18/2017 7:55 AM
37	It definitely made me more interested in physics.	4/18/2017 7:55 AM
38	Communicating ideas help cement concepts	4/18/2017 7:55 AM
39	I don't know	4/18/2017 7:54 AM
40	Often confused. But also helpful to be encouraged to do personal learning.	4/18/2017 7:53 AM
41	It is more time consuming but allows a better constant style of learning and understanding of the topics.	4/18/2017 7:53 AM
42	They help me understand the concepts better.	4/18/2017 7:52 AM
43	They aid my learning in different ways because I use the stuff we learned in class in a practical way and actually apply it every week	4/18/2017 7:52 AM
44	Less motivated to study and feel like I'm making less progression.	4/18/2017 7:52 AM
45	It improves my communication skill.	4/18/2017 7:52 AM
46	It makes learning much more enjoyable	4/18/2017 7:52 AM
47	Improving critical thinking.	4/18/2017 7:52 AM
48	Makes me interested in the course requirements	4/18/2017 7:52 AM
49	This probably one of my more enjoyable classes	4/18/2017 7:52 AM
50	Not much	4/18/2017 7:51 AM
51	make things more interesting	4/18/2017 7:51 AM
52	Saves time as it is not compulsory attendance. Therefore I can go to ask specific questions rather than stay for the entire tutorial	4/18/2017 7:51 AM
53	Easier to learn	4/18/2017 7:50 AM
54	I have more drive and passion to attend every class and complete all the homework	4/18/2017 7:50 AM
55	It's makes it difficult to find time to teach myself, although the tutorials are useful.	4/18/2017 7:50 AM
56	More fun.	4/18/2017 7:50 AM
57	If I don't understand something there are plenty of people available who can help me.	4/18/2017 7:50 AM
58	Interactive learning is exciting and I feel like I take a lot more information in. It gives a way for students to remember the content rather than just cram learning it. Not too many contact hours make it feel like I'm not super behind sometimes when I can't attend lectures.	4/18/2017 7:50 AM
59	improves understanding	4/18/2017 7:49 AM
60	need to allocate more time to revise the concepts	4/18/2017 7:49 AM
61	It's very helpful. The focus on the concepts is good and I find most of the formulas and everything else is consolidated as a result of better understanding of the underlying concepts.	4/18/2017 7:49 AM
62	It allows me to improve on my communication skills	4/18/2017 7:49 AM
63	Makes it a lot more fun and easier to learn. Makes me WANT to learn.	4/18/2017 7:48 AM
64	I learn more	4/18/2017 7:48 AM
65	Very positively	4/18/2017 7:48 AM
66	N/A	4/18/2017 7:46 AM

### Q36 How could the use of software and other technologies in the course be improved to support your learning?

Answered: 40 Skipped: 50

#	Responses	Date
1	The technology and software is good already	4/19/2017 3:56 PM
2	not really sure	4/19/2017 3:53 PM
3	I don't know. This course is fine.	4/19/2017 3:52 PM
4	- The technology use is already pretty sufficient	4/19/2017 3:50 PM
5	I don't really know	4/19/2017 3:50 PM
6	Pretty good how it is	4/19/2017 3:49 PM
7	Not sure	4/19/2017 3:48 PM
8	Use of software and technologies help students the visualise the situations and give better understanding.	4/19/2017 3:48 PM
9	Idk maybe more online resources being made available?	4/19/2017 3:48 PM
10	I can't offer any feedback, it's pretty much perfect already.	4/19/2017 3:48 PM
11	Learning visually from softwares and technologies could help with learning.	4/19/2017 3:47 PM
12	Not sure, as I prefer face to face learning rather than online.	4/19/2017 3:45 PM
13	The use of technology does not help me learn. Only helps me get from point a in my work to point b	4/19/2017 3:45 PM
14	Not sure it needs to be.	4/19/2017 3:44 PM
15	-	4/19/2017 3:42 PM
16	N/A	4/19/2017 3:42 PM
17	It's fine as it is	4/19/2017 3:41 PM
18	simulation software would be a plus	4/19/2017 3:41 PM
19	Simulations of physical interactions, with tweakable parameters.	4/19/2017 3:41 PM
20	More videos (to watch)	4/18/2017 4:03 PM
21	fine how it is	4/18/2017 4:02 PM
22	I do not know	4/18/2017 3:55 PM
23	Ipad physics app is good, but the camera quality is awful and cannot actually capture high speed objects. Maybe there should be other alternatives to capturing stuff like objects falling on camera.	4/18/2017 3:55 PM
24	N/A	4/18/2017 3:54 PM
25	Not too sure. Online tutorials work pretty well as they are.	4/18/2017 3:53 PM
26	The learning seems to be fine without the technology	4/18/2017 3:52 PM
27	More awesome Technology like lasers and stuff	4/18/2017 3:52 PM
28	If I have some problem, watching video to study.	4/18/2017 3:52 PM
29	Its makes it more fun	4/18/2017 3:51 PM
30	teach us how to use the software on the iPads	4/18/2017 3:51 PM
31	Not sure. Never been shown these tech	4/18/2017 3:51 PM
32	N/A	4/18/2017 3:50 PM
33	Kind of	4/18/2017 3:50 PM



## FOUNDATIONS IN PHYSICS - mid semester survey 2017

34	We could use the iPads more maybe (I always forget they're there). Other than that it's pretty good.	4/18/2017 3:50 PM
35	develop understanding	4/18/2017 3:49 PM
36	maybe record the labs?	4/18/2017 3:49 PM
37	I don't know	4/18/2017 3:49 PM
38	Webassign is a bitch, another quiz website?	4/18/2017 3:48 PM
39	improve data	4/18/2017 3:48 PM
40	N/A	4/18/2017 3:46 PM