

# University of Manchester

## 2016-17 Semester 1 Mathematics (UG & PG)

**Course:** I3034-MATH-36061-1161-1SE-037356: MATH36061 Convex Optimization 2016-17 1st Semester

**Instructor:** Martin Lotz \*

### 1 - Overall, I would rate this unit as being excellent

Response Option				Weight	Frequency	Percent	Percent Responses				Means						
Agree				(5)	13	50%											
Mostly Agree				(4)	12	46.15%											
Neither Agree Nor Disagree				(3)	1	3.85%											
Mostly Disagree				(2)	0	0%											
Disagree				(1)	0	0%											
<div><div></div><div>0255075100</div></div>												Instructor		School BM Data			
Return Rate		Mean	STD	Median	School BM Data		Mean	STD	Median								
26/47 (55.32%)		4.46	0.58	4.50	3,496		4.19	1.03	4.00								

### 2 - The feedback that I received on my work was helpful

Response Option			Weight	Frequency	Percent	Percent Responses			Means							
Agree			(5)	12	46.15%											
Mostly Agree			(4)	9	34.62%											
Neither Agree Nor Disagree			(3)	5	19.23%											
Mostly Disagree			(2)	0	0%											
Disagree			(1)	0	0%											
						0	25	50	75	100	Instructor		School BM Data			
Return Rate		Mean	STD	Median	School BM Data		Mean	STD	Median							
26/47 (55.32%)		4.27	0.78	4.00	3,496		4.06	1.11	4.00							

### 3 - This unit was well organised

Response Option			Weight	Frequency	Percent	Percent Responses				Means						
Agree			(5)	13	50%											
Mostly Agree			(4)	10	38.46%											
Neither Agree Nor Disagree			(3)	2	7.69%											
Mostly Disagree			(2)	1	3.85%											
Disagree			(1)	0	0%											
						0	25	50	75	100	Instructor		School BM Data			
Return Rate		Mean	STD	Median	School BM Data		Mean	STD	Median							
26/47 (55.32%)		4.35	0.80	4.50	3,496		4.30	1.02	5.00							

### 4 - The course materials were helpful

Response Option			Weight	Frequency	Percent	Percent Responses				Means						
Agree			(5)	18	69.23%											
Mostly Agree			(4)	7	26.92%											
Neither Agree Nor Disagree			(3)	1	3.85%											
Mostly Disagree			(2)	0	0%											
Disagree			(1)	0	0%											
						0	25	50	75	100	Instructor		School BM Data			
Return Rate		Mean	STD	Median	School BM Data		Mean	STD	Median							
26/47 (55.32%)		4.65	0.56	5.00	3,496		4.34	0.99	5.00							

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### 5 - The support classes were helpful

Response Option	Weight	Frequency	Percent	Percent Responses					Means		
Agree	(5)	14	53.85%								
Mostly Agree	(4)	8	30.77%								
Neither Agree Nor Disagree	(3)	4	15.38%								
Mostly Disagree	(2)	0	0%								
Disagree	(1)	0	0%								
				0	25	50	75	100	Instructor	School BM Data	
Return Rate	Mean	STD	Median	School BM Data			Mean	STD	Median		
26/47 (55.32%)	4.38	0.75	5.00	3,496			4.15	1.07	5.00		

### 6 - The eLearning resources provided in this unit were helpful

Response Option	Weight	Frequency	Percent	Percent Responses					Means		
Agree	(5)	18	69.23%								
Mostly Agree	(4)	6	23.08%								
Neither Agree nor Disagree	(3)	2	7.69%								
Mostly Disagree	(2)	0	0%								
Disagree	(1)	0	0%								
				0	25	50	75	100	Instructor	School BM Data	
Return Rate	Mean	STD	Median	School BM Data			Mean	STD	Median		
26/47 (55.32%)	4.62	0.64	5.00	3,496			4.17	1.12	5.00		

### 7 - Prof./Dr. Martin Lotz's teaching was excellent

Response Option	Weight	Frequency	Percent	Percent Responses					Means		
Agree	(5)	15	57.69%								
Mostly Agree	(4)	9	34.62%								
Neither Agree nor Disagree	(3)	2	7.69%								
Mostly Disagree	(2)	0	0%								
Disagree	(1)	0	0%								
I have not been taught by this lecturer	(0)	0	0%								
				0	25	50	75	100	Instructor	School BM Data	
Return Rate	Mean	STD	Median	School BM Data			Mean	STD	Median		
26/47 (55.32%)	4.50	0.65	5.00	4,218			4.23	1.09	5.00		

### 8 - What aspect of Prof. /Dr. Martin Lotz's approach to teaching best helped your learning?

- Lots of examples are done in class.
- The online lecture notes were really well organised and helpful.
- his online resources and solutions
- He is nice and approachable and will break down problems easy enough for you to understand.
- He argues from first principles, that is he starts somewhere that we all agree is true and continue by introducing facts that we can prove or statements that are good approximations. The result is a method we can trust.
- The example classes were very helpful and the online lecture notes too
- Detailed explanations Good organisation Well structured
- Martin Lotz is a very attentive lecturer, even with large class sizes he manages to ensure individual students understand what is going on.

### 9 - Please provide details of what you valued about this unit

- Very good online course materials. Martin normally posts the notes before the lectures which is helpful and in different formats.
- course content, Lotz personality
- I valued the rigor of the arguments and the website. The website is probably one of the best in the school.
- very interesting module
- Interesting content selection Applicability to real problems
- The online materials for this unit are great, I have not had to use outside materials as of yet and don't plan on doing so.

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### 10 - Please provide details of what you think could be improved on this unit

- There is one thing that bugs me slightly and that is the fact that on the online course materials the pages alternate between being left and right margin aligned but since I view the notes on the screen it makes it harder to scroll through the notes since I have to move left and right on the screen. Other than that I can't fault it.
- more examples maybe?
- podcast lectures
- The online materials are a bit waffley. It may be better for the course to be split into half lecture based and half computer based course (maybe with a 40% coding coursework). What better way to understand the course material than to actually solve and see the practical application through coding. This would however make it necessary for students to have done the 2nd year course Programming with Python. But I believe it would make the course much more enjoyable and help understand the application for the theory.
- Sometimes there's too much overlap between lectures, seems like we could learn a bit more.
- Sometimes it's not very clear the link between the lecture notes and the example sheet exercises.
- -
- n/a