

Individual Report Spring 2024 for MATH 6650 100 -Numerical Analysis: Approximation Methods (Martin Mohlenkamp)

Project Title: Course Evaluation Spring 2024

Course Audience: **14** Responses Received: **8** Response Ratio: **57.14%**



Prepared by: Joseph Scowden Creation Date: Saturday, May 11, 2024

Instructor Evaluation: Martin Mohlenkamp

Competency Statistics	Value
Mean	4.77
Median	5.00
Mode	5
Standard Deviation	0.50
Standard Error (base on SD)	0.07
Population Standard Deviation	0.50
Standard Error (base on PSD)	0.07

1. Instructor created an environment tha learning.	t was conducive to	2. Instruct	tor gave clear expla	anations.	
1 Strongly Disagree (0) 0.00% 2 Disagree (0) 0.00% 3 Neutral (1) 12.509 4 Agree (1) 12.509 5 Strongly Agree (6)	6 6 75.00%	1 Stror 5 S	ngly Disagree (0) 2 Disagree (0) 3 Neutral (1) 4 Agree (2) trongly Agree (5)	0.00% 0.00% 12.50% 25.00%	62.50%
0	50% 10	00%		50%	100%
Statistics	\vee	/alue Statistics	3		Value
Response Count		8 Respons	se Count		8
Mean		4.63 Mean			4.50
Median		5.00 Median			5.00
Mode		5 Mode			5
Standard Deviation		0.74 Standard	Deviation		0.76
Population Standard Deviation		0.70 Populatio	on Standard Deviat	ion	0.71
Standard Error (base on SD)		0.26 Standard	l Error (base on SE))	0.27
Standard Error (base on PSD)		0.25 Standard	Error (base on PS	D)	0.25
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3. Instructor used helpful examples and	illustrations.	4. Instruct	tor consistently foll	owed grading crite	ria.
3. Instructor used helpful examples and 1 Strongly Disagree (0) 0.00% 2 Disagree (0) 0.00% 3 Neutral (0) 0.00% 4 Agree (3) 5 Strongly Agree (5) [Total (8)]	illustrations. 37.50% 62.50%	4. Instruct 1 Stror 5 S	tor consistently follongly Disagree (0) 2 Disagree (0) 3 Neutral (0) 4 Agree (1) trongly Agree (7)	0.00% 0.00% 0.00% 12.50%	ria. 87.50%
3. Instructor used helpful examples and 1 Strongly Disagree (0) 2 Disagree (0) 3 Neutral (0) 4 Agree (3) 5 Strongly Agree (5) [Total (8)] 0	illustrations. 37.50% 62.50% 50% 10	4. Instruct 1 Stror 5 S	tor consistently foll ngly Disagree (0) 2 Disagree (0) 3 Neutral (0) 4 Agree (1) trongly Agree (7) [Total (8)]	0.00% 0.00% 0.00% 12.50%	ria. 87.50%
3. Instructor used helpful examples and 1 Strongly Disagree (0) 2 Disagree (0) 3 Neutral (0) 4 Agree (3) 5 Strongly Agree (5) [Total (8)] 0 Statistics	illustrations. 37.50% 62.50% 50% 10	4. Instruct 1 Stror 5 S 20% /alue Statistics	tor consistently follo aggly Disagree (0) 2 Disagree (0) 3 Neutral (0) 4 Agree (1) trongly Agree (7) [Total (8)] 0	0.00% 0.00% 0.00% 12.50%	ria. 87.50% 100% Value
3. Instructor used helpful examples and 1 Strongly Disagree (0) 2 Disagree (0) 3 Neutral (0) 4 Agree (3) 5 Strongly Agree (5) [Total (8)] 0 Statistics Response Count	illustrations. 37.50% 62.50% 50% 10	4. Instruct 1 Stror 5 S 200% /alue Statistics 8 Respons	tor consistently follongly Disagree (0) 2 Disagree (0) 3 Neutral (0) 4 Agree (1) trongly Agree (7) [Total (8)] C See Count	owed grading crite 0.00% 0.00% 12.50% 50%	ria. 87.50% 0 100% Value 8
3. Instructor used helpful examples and 1 Strongly Disagree (0) 2 Disagree (0) 3 Neutral (0) 4 Agree (3) 5 Strongly Agree (5) [Total (8)] 0 Statistics Response Count Mean	illustrations. 37.50% 62.50% 50% 10	4. Instruct 1 Stror 5 S 00% /alue Statistics 8 Respons 4.63 Mean	tor consistently follongly Disagree (0) 2 Disagree (0) 3 Neutral (0) 4 Agree (1) trongly Agree (7) [Total (8)] Constant See Count	owed grading crite 0.00% 0.00% 12.50% 50%	ria. 87.50% 0 100% Value 8 4.88
3. Instructor used helpful examples and 1 Strongly Disagree (0) 2 Disagree (0) 3 Neutral (0) 4 Agree (3) 5 Strongly Agree (5) [Total (8)] 0 Statistics Response Count Mean Median	illustrations. 37.50% 62.50% 50% 10	4. Instruct 1 Stror 5 S 200% /alue Statistics 8 Respons 4.63 Mean 5.00 Median	tor consistently follongly Disagree (0) 2 Disagree (0) 3 Neutral (0) 4 Agree (1) trongly Agree (7) [Total (8)] Constant See Count	owed grading crite 0.00% 0.00% 12.50% 50%	ria. 87.50% 0 100% Value 8 4.88 5.00
3. Instructor used helpful examples and 1 Strongly Disagree (0) 2 Disagree (0) 3 Neutral (0) 4 Agree (3) 5 Strongly Agree (5) [Total (8)] 0 Statistics Response Count Median Mode	illustrations. 37.50% 62.50% 50% 10	4. Instruct 1 Stror 5 S 00% /alue Statistics 8 Respons 4.63 Mean 5.00 Median 5 Mode	tor consistently follongly Disagree (0) 2 Disagree (0) 3 Neutral (0) 4 Agree (1) trongly Agree (7) [Total (8)] Cossee Count	owed grading crite 0.00% 0.00% 12.50% 50%	ria. 87.50% 0 100% Value 8 4.88 5.00 5
3. Instructor used helpful examples and 1 Strongly Disagree (0) 2 Disagree (0) 3 Neutral (0) 4 Agree (3) 5 Strongly Agree (5) [Total (8)] 0 Statistics Response Count Mean Median Mode Standard Deviation	illustrations. 37.50% 62.50% 50% 10	4. Instruct 1 Stror 5 S 00% /alue Statistics 8 Respons 4.63 Mean 5.00 Median 5 Mode 0.52 Standard	tor consistently follongly Disagree (0) 2 Disagree (0) 3 Neutral (0) 4 Agree (1) trongly Agree (7) [Total (8)] Constant See Count	0.00% 0.00% 0.00% 12.50% 50% 50%	ria. 87.50% 0 100% Value 8 4.88 5.00 5 0.35
3. Instructor used helpful examples and 1 Strongly Disagree (0) 2 Disagree (0) 3 Neutral (0) 4 Agree (3) 5 Strongly Agree (5) [Total (8)] 0 Statistics Response Count Mean Median Mode Standard Deviation Population Standard Deviation	illustrations. 37.50% 62.50% 50% 10	4. Instruct1 Stron1 Stron5 S00%/alueStatistics8Respons4.63Mean5.00Median5Mode0.52Standard0.48	tor consistently follongly Disagree (0) 2 Disagree (0) 3 Neutral (0) 4 Agree (1) trongly Agree (7) [Total (8)] C see Count 1 Deviation on Standard Deviat	owed grading crite 0.00% 0.00% 12.50% 50%	ria. 87.50% 0 100% Value 8 4.88 5.00 5 0.35 0.33
3. Instructor used helpful examples and 1 Strongly Disagree (0) 2 Disagree (0) 3 Neutral (0) 4 Agree (3) 5 Strongly Agree (5) [Total (8)] 0 Statistics Response Count Mean Median Mode Standard Deviation Population Standard Deviation Standard Error (base on SD)	illustrations. 37.50% 62.50% 50% 10	4. Instruct1 Stror5 S00%/alueStatistics8Respons4.63Mean5.00Median50.52Standard0.48Population0.18	tor consistently follongly Disagree (0) 2 Disagree (0) 3 Neutral (0) 4 Agree (1) trongly Agree (7) [Total (8)] 6 5 5 5 5 6 6 6 1 Deviation 5 6 1 Deviation 5 6 6 1 Deviation 5 6 6 7 7 8 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1	owed grading crite 0.00% 0.00% 12.50% 50%	ria. 87.50% 0 100% Value 8 4.88 5.00 5 0.35 0.33 0.13

5. Instructor provided useful feedback		6. Instructor provided timely feedback.	
1 Strongly Disagree (0) 2 Disagree (0) 3 Neutral (0) 4 Agree (1) 5 Strongly Agree (7) [Total (8)] 0	0% 87.50% 50% 100%	1 Strongly Disagree (0) 0.00% 2 Disagree (0) 0.00% 3 Neutral (0) 0.00% 4 Agree (1) 12.50% 5 Strongly Agree (7) 87.50% [Total (8)] 0 0 50%	6
Statistics	Value	Statistics	Value
Response Count	8	Response Count	8
Mean	4.88	Mean	4.88
Median	5.00	Median	5.00
Mode	5	Mode	5
Standard Deviation	0.35	Standard Deviation	0.35
Population Standard Deviation	0.33	Population Standard Deviation	0.33
Standard Error (base on SD)	0.13	Standard Error (base on SD)	0.13
Standard Error (base on PSD)	0.12	Standard Error (base on PSD)	0.12
7. Instructor was available for assista	nce outside of class.		
1 Strongly Disagree (0) 2 Disagree (0) 3 Neutral (0) 4 Agree (0) 5 Strongly Agree (8) [Total (8)] 0	<u>100.00%</u> 50% 100%		
Statistics	Value		
Response Count	8		
Mean	5.00		
Median	5.00		
Mode	5		
Standard Deviation	0.00		
Population Standard Deviation	0.00		

Course Evaluation:

Standard Error (base on SD) Standard Error (base on PSD)

Competency Statistics	Value
Mean	4.51
Median	5.00
Mode	5
Standard Deviation	0.95
Standard Error (base on SD)	0.16
Population Standard Deviation	0.94
Standard Error (base on PSD)	0.16

0.00

0.00

1. Outside class activities (readings, assignments, hom problem sets, etc.) helped me to understand the subject	nework, t.	 In-class activities (lecture, discussion, handouts, group etc.) contributed to my understanding of the subject. 	o-work,
1 Strongly Disagree (0) 0.00% 2 Disagree (0) 0.00% 3 Neutral (1) 14.29% 4 Agree (1) 14.29% 5 Strongly Agree (5) 71.43%		1 Strongly Disagree (0) - 0.00% 2 Disagree (0) - 0.00% 3 Neutral (1) - 14.29% 4 Agree (0) - 0.00% 5 Strongly Agree (6) - 85.71%	
[lotal (7)] 0 50%	100%	[lotal (7)] 0 50%	100%
Statistics	Value	Statistics	Value
Response Count	7	Response Count	7
Mean	4.57	Mean	4.71
Median	5.00	Median	5.00
Mode	5	Mode	5
Standard Deviation	0.79	Standard Deviation	0.76
Population Standard Deviation	0.73	Population Standard Deviation	0.70
Standard Error (base on SD)	0.30	Standard Error (base on SD)	0.29
Standard Error (base on PSD)	0.28	Standard Error (base on PSD)	0.26
3. This course challenged me intellectually.		4. Course grading criteria were communicated clearly.	
3. This course challenged me intellectually.1 Strongly Disagree (0)2 Disagree (2)3 Neutral (0)4 Agree (1)5 Strongly Agree (4)[Total (7)]	,	4. Course grading criteria were communicated clearly. 1 Strongly Disagree (0) 0.00% 2 Disagree (0) 0.00% 3 Neutral (0) 0.00% 4 Agree (1) 14.29% 5 Strongly Agree (6) 85.71% [Total (7)] 14.29%	
3. This course challenged me intellectually. 1 Strongly Disagree (0) 0.00% 2 Disagree (2) 28.57% 3 Neutral (0) 0.00% 4 Agree (1) 14.29% 5 Strongly Agree (4) 57.14% [Total (7)] 0 50%	, 100%	4. Course grading criteria were communicated clearly. 1 Strongly Disagree (0) 0.00% 2 Disagree (0) 0.00% 3 Neutral (0) 0.00% 4 Agree (1) 14.29% 5 Strongly Agree (6) 85.71% [Total (7)] 0 50%	100%
3. This course challenged me intellectually. 1 Strongly Disagree (0) 2 Disagree (2) 3 Neutral (0) 4 Agree (1) 5 Strongly Agree (4) [Total (7)] 0 50% Statistics	, 100% Value	4. Course grading criteria were communicated clearly. 1 Strongly Disagree (0) 2 Disagree (0) 3 Neutral (0) 4 Agree (1) 5 Strongly Agree (6) [Total (7)] 0 50% Statistics	100% Value
3. This course challenged me intellectually. 1 Strongly Disagree (0) 2 Disagree (2) 3 Neutral (0) 4 Agree (1) 5 Strongly Agree (4) [Total (7)] 0 50% Statistics Response Count	o 100% Value 7	4. Course grading criteria were communicated clearly. 1 Strongly Disagree (0) 2 Disagree (0) 3 Neutral (0) 4 Agree (1) 5 Strongly Agree (6) [Total (7)] 0 50% Statistics Response Count	100% Value 7
3. This course challenged me intellectually. 1 Strongly Disagree (0) 2 Disagree (2) 3 Neutral (0) 4 Agree (1) 5 Strongly Agree (4) [Total (7)] 0 50% Statistics Response Count Mean	5 100% Value 7 4.00	4. Course grading criteria were communicated clearly. 1 Strongly Disagree (0) 0.00% 2 Disagree (0) 0.00% 3 Neutral (0) 0.00% 4 Agree (1) 14.29% 5 Strongly Agree (6) 85.71% [Total (7)] 0 5 Statistics Response Count Mean	100% Value 7 4.86
3. This course challenged me intellectually. 1 Strongly Disagree (0) 2 Disagree (2) 3 Neutral (0) 4 Agree (1) 5 Strongly Agree (4) [Total (7)] 0 50% Statistics Response Count Mean Median	, 100% Value 7 4.00 5.00	4. Course grading criteria were communicated clearly. 1 Strongly Disagree (0) 0.00% 2 Disagree (0) 0.00% 3 Neutral (0) 0.00% 4 Agree (1) 14.29% 5 Strongly Agree (6) 85.71% [Total (7)] 0 5 Statistics Response Count Mean Median	100% Value 7 4.86 5.00
3. This course challenged me intellectually. 1 Strongly Disagree (0) 0.00% 2 Disagree (2) 28.57% 3 Neutral (0) 0.00% 4 Agree (1) 14.29% 5 Strongly Agree (4) 57.14% [Total (7)] 0 5 Statistics 50% Statistics Mean Median Mode	0 100% Value 7 4.00 5.00 5	4. Course grading criteria were communicated clearly. 1 Strongly Disagree (0) 0.00% 2 Disagree (0) 0.00% 3 Neutral (0) 0.00% 4 Agree (1) 14.29% 5 Strongly Agree (6) 85.71% [Total (7)] 0 5 Statistics Response Count Mean Median Mode	100% Value 7 4.86 5.00 5
3. This course challenged me intellectually. 1 Strongly Disagree (0) 2 Disagree (2) 3 Neutral (0) 4 Agree (1) 5 Strongly Agree (4) [Total (7)] 0 50% Statistics Response Count Mean Median Mode Standard Deviation	100% Value 7 4.00 5.00 5 1.41	4. Course grading criteria were communicated clearly. 1 Strongly Disagree (0) 0.00% 2 Disagree (0) 0.00% 3 Neutral (0) 0.00% 4 Agree (1) 14.29% 5 Strongly Agree (6) 85.71% [Total (7)] 0 5 Statistics Response Count Mean Median Mode Standard Deviation	100% Value 7 4.86 5.00 5 0.38
3. This course challenged me intellectually. 1 Strongly Disagree (0) 2 Disagree (2) 3 Neutral (0) 4 Agree (1) 5 Strongly Agree (4) [Total (7)] 0 50% Statistics Response Count Mean Median Mode Standard Deviation Population Standard Deviation	100% Value 7 4.00 5.00 5 1.41 1.31	4. Course grading criteria were communicated clearly. 1 Strongly Disagree (0) 0.00% 2 Disagree (0) 0.00% 3 Neutral (0) 0.00% 4 Agree (1) 14.29% 5 Strongly Agree (6) 85.71% [Total (7)] 0 0 50% Statistics Response Count Mean Median Mode Standard Deviation Population Standard Deviation	100% Value 7 4.86 5.00 5 0.38 0.35
3. This course challenged me intellectually. 1 Strongly Disagree (0) 2 Disagree (2) 3 Neutral (0) 4 Agree (1) 5 Strongly Agree (4) [Total (7)] 0 50% Statistics Response Count Mean Median Mode Standard Deviation Population Standard Deviation Standard Error (base on SD)	100% Value 7 4.00 5.00 5 1.41 1.31 0.53	4. Course grading criteria were communicated clearly. 1 Strongly Disagree (0) 0.00% 2 Disagree (0) 0.00% 3 Neutral (0) 0.00% 4 Agree (1) 14.29% 5 Strongly Agree (6) 85.71% [Total (7)] 0 50% Statistics 85.71% Response Count Mean Median Mode Standard Deviation Standard Deviation Standard Error (base on SD) Standard Error (base on SD)	100% Value 7 4.86 5.00 5 0.38 0.35 0.14

5. Course objectives were n	net.			
1 Strongly Disagree (0) 2 Disagree (1) 3 Neutral (0) 4 Agree (1) 5 Strongly Agree (5) [Total (7)]	0.00% 14 0.00% 14	.29% .29% 7 5	71.43% 0%	100%
Statistics				Value
Response Count				7
Mean				4.43
Median				5.00
Mode				5
Standard Deviation				1.13
Population Standard Devia	tion			1.05
Standard Error (base on SD)				0.43
Standard Error (base on PS	SD)			0.40

Additional Questions

Competency Statistics	Value
Mean	4.60
Median	5.00
Mode	5
Standard Deviation	0.77
Standard Error (base on SD)	0.13
Population Standard Deviation	0.76
Standard Error (base on PSD)	0.13

1. Instructor encouraged pa	rticipation.		2. Instructor was respectful to students.			
1 Strongly Disagree (0) 2 Disagree (0) 3 Neutral (0) 4 Agree (0) 5 Strongly Agree (7) [Total (7)]	0.00% 0.00% 0.00% 0.00%	100.00%	1 Strongly Disagree (0) 2 Disagree (0) 3 Neutral (0) 4 Agree (0) 5 Strongly Agree (7) [Total (7)]	0.00% 0.00% 0.00% 0.00%	50%	<u>100.00%</u> 100%
Statistics		Value	Statistics			Value
Response Count		7	Response Count			7
Mean		5.00	Mean			5.00
Median		5.00	Median			5.00
Mode		5	Mode			5
Standard Deviation		0.00	Standard Deviation			0.00
Population Standard Devia	tion	0.00	Population Standard Devia	tion		0.00
Standard Error (base on Sl	D)	0.00	Standard Error (base on SD) 0.0			0.00
Standard Error (base on PS	SD)	0.00	Standard Error (base on PS	SD)		0.00

3. Examinations were a good test of my knowledge.			4. Overall, considering its co course was excellent.	ontent, design and sti	ructure, this
1 Strongly Disagree (0) 2 Disagree (0) 3 Neutral (3) 4 Agree (0) 5 Strongly Agree (4)	0.00% 0.00% 42.86% 0.00% 57.14	1%	1 Strongly Disagree (0) 2 Disagree (0) 3 Neutral (2) 4 Agree (0) 5 Strongly Agree (5)	0.00% 0.00% 0.00% 28.57% 71.43	%
[Total (7)] () 50%	100%	[Total (7)]⊣ () 50%	100%
Statistics		Value	Statistics		Value
Response Count		7	Response Count		7
Mean		4.14	Mean		4.43
Median		5.00	Median		5.00
Mode		5	Mode		5
Standard Deviation		1.07	Standard Deviation		0.98
Population Standard Devia	tion	0.99	Population Standard Devia	tion	0.90
Standard Error (base on SE	D)	0.40	Standard Error (base on SI))	0.37
Standard Error (base on PS	SD)	0.37	Standard Error (base on PS	SD)	0.34
5. Instructor was an effective 1 Strongly Disagree (0) - 2 Disagree (0) - 3 Neutral (1) - 4 Agree (2) - 5 Strongly Agree (4) - [Total (7)] -	e teacher. 0.00% 0.00% 14.29% 28.57% 57.14	1%			
) 50%	100%			
Statistics		Value			
Response Count		7			
Mean		4.43			
Median		5.00			
Mode		5			
Standard Deviation		0.79			
Population Standard Devia	tion	0.73			
Standard Error (base on SE))	0.30			
Standard Error (base on PS	SD)	0.28			

What do you consider to be the greatest STRENGTH of the INSTRUCTOR?

Comments

The instructor made us really understand the covered material.

The greatest strength of my instructor is his ability to inspire and empower students through effective communication, deep knowledge, and genuine passion for teaching.

He is knowledgeable about what he teaches in class. He respects his students even when you are wrong.

Dr. Mohlenkamp is super duper smart

he is very smart.

he is very patient and smart. he will let you things figure out yourself and it helps me learn more. he never criticize even when you dont have output for week and he goes in so much detail of work which most of people might just not able to notice.

What do you consider to be the greatest WEAKNESS of the INSTRUCTOR? Suggestions for improvement?

Comments
None.
none
You can do the following One week – exploration next week – homework related to this course book and so on.
i didn't find any.

What do you consider to be the greatest STRENGTH of the COURSE (texts, content, etc.)?

Comments

It makes students understand well the covered material.

I like the fact that this course taught me how to find a mathematical paper and what to also look for in a paper.

The projects made me actually learn the content, not just skim and and learn what i need to for an exam.

I thought the final project was a fun assignment

content was really challenging and there are few topics which might be helpful in my research

What do you consider to be the greatest WEAKNESS of the COURSE? Suggestions for improvement?

Comments

Too little material covered.

None

Cocalc for reports/explorations was terrible. Its good for programming but it glitches and malfunctions so much when we have to write in text or markdown. I understand that having it all in cocalc is convenient but it was really bad.

I chose this course because I wanted to learn how to code with Python, unfortunately, I was wrong. I think the course should incorporate Python coding since students are expected to code.

The presentations over textbook material became tedious. Also some more homework/coding exercises would be nice very theoratical