

Southern Methodist University
Dedman - Fall 2023 - 1237

Course: NumericalSolutionofOdes0011237: MATH6321-001-1237-MATH6321 Sect 001 1237 : Daniel Reynolds
Instructor: Daniel Reynolds *
Response Rate: 7/8 (87.50 %)

1 - Your feedback helps improve teaching at SMU. The following questions are asked for all SMU courses. Please give thoughtful consideration to each question.

The instructor clearly defined and explained the course objectives and expectations.

Response Option	Weight	Frequency	Percent	Percent Responses	Means								
Strongly disagree	(1)	0	0.00%		5.00	4.08	4.41	Question	Department	School	Mean	STD	Median
Disagree	(2)	0	0.00%										
Neither agree nor disagree	(3)	0	0.00%										
Agree	(4)	0	0.00%										
Strongly agree	(5)	7	100.00%										
					0	25	50	100					
Response Rate	Mean	STD	Median	Department	Mean	STD	Median	School	Mean	STD	Median		
7/8 (87.50%)	5.00	0.00	5.00	749	4.08	1.10	4.00	9510	4.41	0.94	5.00		

1 - Your feedback helps improve teaching at SMU. The following questions are asked for all SMU courses. Please give thoughtful consideration to each question.

The instructor utilized class time effectively.

Response Option	Weight	Frequency	Percent	Percent Responses	Means								
Strongly disagree	(1)	0	0.00%		4.86	4.05	4.39	Question	Department	School	Mean	STD	Median
Disagree	(2)	0	0.00%										
Neither agree nor disagree	(3)	0	0.00%										
Agree	(4)	1	14.29%										
Strongly agree	(5)	6	85.71%										
					0	25	50	100					
Response Rate	Mean	STD	Median	Department	Mean	STD	Median	School	Mean	STD	Median		
7/8 (87.50%)	4.86	0.38	5.00	747	4.05	1.09	4.00	9490	4.39	0.96	5.00		

1 - Your feedback helps improve teaching at SMU. The following questions are asked for all SMU courses. Please give thoughtful consideration to each question.

The instructor was available to answer questions inside and outside of class.

Response Option	Weight	Frequency	Percent	Percent Responses	Means								
Strongly disagree	(1)	0	0.00%		5.00	4.26	4.47	Question	Department	School	Mean	STD	Median
Disagree	(2)	0	0.00%										
Neither agree nor disagree	(3)	0	0.00%										
Agree	(4)	0	0.00%										
Strongly agree	(5)	7	100.00%										
					0	25	50	100					
Response Rate	Mean	STD	Median	Department	Mean	STD	Median	School	Mean	STD	Median		
7/8 (87.50%)	5.00	0.00	5.00	744	4.26	0.94	5.00	9443	4.47	0.87	5.00		

1 - Your feedback helps improve teaching at SMU. The following questions are asked for all SMU courses. Please give thoughtful consideration to each question.

The course was intellectually challenging or thought-provoking.

Response Option	Weight	Frequency	Percent	Percent Responses	Means								
Strongly disagree	(1)	0	0.00%		5.00	4.20	4.45	Question	Department	School	Mean	STD	Median
Disagree	(2)	0	0.00%										
Neither agree nor disagree	(3)	0	0.00%										
Agree	(4)	0	0.00%										
Strongly agree	(5)	7	100.00%										
					0	25	50	100					
Response Rate	Mean	STD	Median	Department	Mean	STD	Median	School	Mean	STD	Median		
7/8 (87.50%)	5.00	0.00	5.00	745	4.20	1.00	4.00	9473	4.45	0.88	5.00		

Southern Methodist University
Dedman - Fall 2023 - 1237

Course: NumericalSolutionofOdes0011237: MATH6321-001-1237-MATH6321 Sect 001 1237 : Daniel Reynolds
Instructor: Daniel Reynolds *
Response Rate: 7/8 (87.50 %)

1 - Your feedback helps improve teaching at SMU. The following questions are asked for all SMU courses. Please give thoughtful consideration to each question.

The course helped me to develop knowledge or skills.

Response Option	Weight	Frequency	Percent	Percent Responses	Means								
Strongly disagree	(1)	0	0.00%		4.86	4.05	4.38	Question	Department	School	Mean	STD	Median
Disagree	(2)	0	0.00%										
Neither agree nor disagree	(3)	0	0.00%										
Agree	(4)	1	14.29%										
Strongly agree	(5)	6	85.71%										
Response Rate	Mean	STD	Median	Department	Mean	STD	Median	School	Mean	STD	Median		
7/8 (87.50%)	4.86	0.38	5.00	747	4.05	1.08	4.00	9458	4.38	0.96	5.00		

1 - Your feedback helps improve teaching at SMU. The following questions are asked for all SMU courses. Please give thoughtful consideration to each question.

The instructor presented the course content effectively.

Response Option	Weight	Frequency	Percent	Percent Responses	Means								
Strongly disagree	(1)	0	0.00%		5.00	3.79	4.26	Question	Department	School	Mean	STD	Median
Disagree	(2)	0	0.00%										
Neither agree nor disagree	(3)	0	0.00%										
Agree	(4)	0	0.00%										
Strongly agree	(5)	7	100.00%										
Response Rate	Mean	STD	Median	Department	Mean	STD	Median	School	Mean	STD	Median		
7/8 (87.50%)	5.00	0.00	5.00	745	3.79	1.29	4.00	9442	4.26	1.09	5.00		

1 - Your feedback helps improve teaching at SMU. The following questions are asked for all SMU courses. Please give thoughtful consideration to each question.

The instructor fostered an academic environment that was respectful to students.

Response Option	Weight	Frequency	Percent	Percent Responses	Means								
Strongly disagree	(1)	0	0.00%		5.00	4.27	4.52	Question	Department	School	Mean	STD	Median
Disagree	(2)	0	0.00%										
Neither agree nor disagree	(3)	0	0.00%										
Agree	(4)	0	0.00%										
Strongly agree	(5)	7	100.00%										
Response Rate	Mean	STD	Median	Department	Mean	STD	Median	School	Mean	STD	Median		
7/8 (87.50%)	5.00	0.00	5.00	746	4.27	0.98	5.00	9408	4.52	0.87	5.00		

Southern Methodist University
Dedman - Fall 2023 - 1237

Course: NumericalSolutionofOdes0011237: MATH6321-001-1237-MATH6321 Sect 001 1237 : Daniel Reynolds
Instructor: Daniel Reynolds *
Response Rate: 7/8 (87.50 %)

2 - What two or three elements of this course contributed most to your learning?

Response Rate	7/8 (87.5%)
<ul style="list-style-type: none"> • Programming part of the homework assignments. This course is in a very typical Professor Reynold's style: a lot of programming problems with very detailed instructions. One might be taken off scores for every miss on the details. These are very good programming trainings. • Great Homeworks, Lectures, and Professor. Each of these contributed to my learning. • Dr. Reynolds brings so much to the classroom including: 1. His wealth of experience and expertise related to the material. This is especially helpful when providing students pointers to 'real world' use-cases, pitfalls, or benefits of methods. 2. Organization: From a homework schedule in the syllabus to regularly-posted notes to Canvas announcements when things need to be adjusted, Dr. Reynolds excels at maintaining order, which is very nice from a student perspective. 3. Charisma and a terrific classroom presence; class is engaging and pleasant. • The Elements of the course that contributed to my learning includes: 1. professor's teaching style. He delivered the course in a very simple way using illustrations and examples 2. The recommended text for the course was easy to understand. 3. The biweekly homework problems which had a perfect blend of analytical and computational problems was also instrumental in helping me learn. I would say that this course has been the most impactful course that I have taken my graduate program • Dr. Reynolds is a terrific instructor; lecture is always well-prepared, well-executed, and enjoyable. He hosts frequent office hours, which are always a pleasure to attend, and he takes the time to help every student thoroughly. Dr. Reynolds is extremely well-organized, and from well-thought assignments to typeset lecture notes to numerous demo and example codes (all available to students), he clearly devotes a lot of time to his teaching, to the benefit of his students. • Dr. Reynolds is one of the most thorough instructors I've ever met. Also, the LaTeX notes he provides are extremely helpful. • The class was well organized, all materials provided were extremely detailed, and expectations were always clear and established well in advance. Additionally, Dr. Reynolds make sure to provide coding assignments that were challenging, but still assessable to beginners in Python. I also liked the flexibility of exams in this course. 	

3 - What two or three suggestions would you make to improve this course in the future?

Response Rate	6/8 (75%)
<ul style="list-style-type: none"> • From the beginning to the end of the course, we are provided and required to use given ODE solver templates for all the programming problems. I think we should be assigned to implement an explicit Euler and Runge-Kutta methods by ourselves for at least once during the course. Even if we will always be using other people's templates in the future, a de novo implementation of the algorithms is still an important experience. • I would have liked to explore Krylov Subspace method more (I don't know GMRES well). • I think the module and content of the course are general okay. Prior Knowledge of python program would have helped me understand some of the computations more. So, I would suggest that an introductory python class or python review class be recommended in advance for students who intend to take the class to be get up to speed with things before the start of class. • Nothing to improve. • Some of the grading seemed arbitrary, especially on the Exams. The project was stressful. I wish there was some sort of warning to double-check your homework at the beginning of the semester, as I took a big hit on the first 2 homeworks on my grade for simple mistakes. • I wish for the final project that there was an option to either have a larger project that has a group of 2-3 people or an individual project (with the workload per person for both of these options to be comparable of course). Our class overall has a diverse range of research interests so it would have been really interesting to collaborate on this project. 	

4 - The following questions are specifically for Dedman College of Humanities and Sciences courses.

10. The instructor provided meaningful and timely feedback on my progress/work in the course.

Response Option	Weight	Frequency	Percent	Percent Responses	Means								
Strongly disagree	(1)	0	0.00%		5.00	3.98	4.28	Question	Department	School	Mean	STD	Median
Disagree	(2)	0	0.00%										
Neither agree nor disagree	(3)	0	0.00%										
Agree	(4)	0	0.00%										
Strongly agree	(5)	7	100.00%										
Response Rate	Mean	STD	Median	Department	Mean	STD	Median	School	Mean	STD	Median		
7/8 (87.50%)	5.00	0.00	5.00	717	3.98	1.11	4.00	8172	4.28	0.99	5.00		

5 - Please answer the following.

11. Outside of class time, on average how many hours per week did you spend on this course?

Response Option	Weight	Frequency	Percent	Percent Responses	Means								
Less than 3 hours	(1)	0	0.00%		3.71	2.65	2.35	Question	Department	School	Mean	STD	Median
3 - 5 hours	(2)	0	0.00%										
5 - 7 hours	(3)	4	57.14%										
7 - 9 hours	(4)	1	14.29%										
More than 9 hours	(5)	2	28.57%										
Response Rate	Mean	STD	Median	Department	Mean	STD	Median	School	Mean	STD	Median		
7/8 (87.50%)	3.71	0.95	3.00	739	2.65	1.09	2.00	8321	2.35	1.11	2.00		