INTRO TO NUMERICAL ANALYSIS (Fall 2019 (202001))

Instructor: **Pham, Tuan**
Subject: **MTH**
Catalog & Section: **351 001**
Course ID: **17085**
Objectives:

Enrollment: **31**
Responses Incl Declines: **17**
Declines: **0**

Course and Instructor

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean	Univ. Mean	Course Median	Dept. Median	Univ. Median
The course as a whole was	17	54%	5.4	4.7	4.9	5.6	4.9	5.1
The instructor's contribution to the course was	17	54%	5.7	4.8	5.0	5.9	5.2	5.4
Clarity of course objectives or outcomes was	17	54%	5.3	4.8	4.9	5.6	5.0	5.2
Clarity of student responsibilities and requirements was	17	54%	5.5	4.9	5.0	5.7	5.1	5.3
Course organization was	17	54%	5.2	4.7	4.9	5.6	5.0	5.2
Availability of extra help when needed was	17	54%	5.6	4.9	5.0	5.8	5.2	5.4
Instructor's use of various instructional techniques to accommodate differences in learning styles among students was	17	54%	5.2	4.6	4.8	5.6	4.8	5.1
Instructor's interest in my learning was	17	54%	5.6	4.8	5.0	5.8	5.2	5.4
Instructor's ability to stimulate my thinking more deeply about the subject was	17	54%	5.5	4.7	4.9	5.7	5.0	5.3
Instructor's timely feedback to tests and other work was	17	54%	5.2	4.8	4.9	5.7	5.1	5.3
Instructor's ability to develop a welcoming classroom environment for all participants was	17	54%	5.5	4.9	5.1	5.7	5.2	5.5
Instructor's evaluation of student performance in accordance with course objectives was	17	54%	5.6	4.9	5.0	5.8	5.1	5.3

Note: 1:Very Poor; 2:Poor; 3:Fair; 4:Good; 5:Very Good; 6:Excellent; -1:Unable To Rate;

Narrative comments and suggestions (5 comments)

Q: Please comment about ways to improve instruction.

1 I felt as though the fixed point question on the mid-term was slightly ambiguous, but the class was very good and I learned a lot. Thanks!

2 "I thought that maybe a little more matlab instruction would have helped but the worksheets definitely helped." -- Clayton Moore

3 "I taught high school for three years before attending OSU, Tuan is a very passionate teacher and he prioritizes student learning above all else. I can't think of any way he could improve the course, except maybe more materials for learning MatLab since some people take to learning MatLab easily and others do not." -- Kaitlan Angel

4 Interesting class. I would have appreciated a little bit more guidance on the matlab, I definitely spent a few nights of no-sleep because of the matlab assignments.

5 "Loved this course, well taught by Dr. Pham." -- Eli Nicholas

Instructor's Questions (40 comments)

Q: What did the instructor do that best helped your learning?

1 I loved that he explained the problem background and build an understanding of why concepts were important.

2 Very good understanding of the subject and is able to break down complex concepts into digestible pieces.

3 "I thought that the little review at the beginning of class always helped get back into learning. The worksheets/group work helped a lot too." -- Clayton Moore

4	"I really liked the combination of lecture and practice - it was a great way to learn the material well." -- Al Rise
5	Tuan wrote everything out. Other classes are mostly slide shows that the instructors put together, which lose the interactive aspect of having the instructor write out the problem with you and working it out along side to help you understand what you need to do.
6	"I taught high school for three years before attending OSU, Tuan is a very passionate teacher and he prioritizes student learning above all else. I can't think of any way he could improve the course, except maybe more materials for learning MatLab since some people take to learning MatLab easily and others do not. I recognize that time is very limited, but I believe an example code for every formula we use would be helpful, since we could see how each formula is done by hand and then how it is used in MatLab." -- Kaitlan Angel
7	"The worksheets right after the lectures were probably the most helpful. They put the math into context of problems and reinforced the ideas that were being tought." -- Jason Stallkamp
8	In-class worksheets were awesome. I learn by doing so it helped a lot.
9	"Excellent lectures, the topics were very well explained." -- Eli Nicholas
10	"Giving well organized lectures with the occasional joke!" -- Michael Dugan
11	Availability of extra help (office hours) and willingness to help
12	Provided a lot of office hours for help.
13	Had office hours at convenient times, posted all solutions to worksheets/homework on class website

Q: Were the Matlab exercises helpful for you to understand the lecture better? Did you receive sufficient instructions (from instructor or classmates) to do these problems?

1	I just wish a small portion of Matlab was on all portions, so it felt more like building up in difficulty. I am a CS student, so they programming was not too difficult for me luckily
2	Yes. The matlab contributed greatly to understanding the material. I felt as if the practice sets were sufficient to learn matlab to the extent that was required for this class. The functions were slightly confusing, but not very difficult to get over.
3	"Yes and no. I do not have an extensive coding background so it was hard to get Matlab to do what I want." -- Clayton Moore
4	"I already had a strong background in Matlab before the class, but I'm not sure if I would have had enough preparation for the assignments if I didn't." -- Al Rise
5	The Matlab problems were helpful. I think that some of them take longer than Tuan was intending.
6	"Yes! I took the course because I needed to be exposed to MatLab. I believe there should be exams and one big MatLab coding project using data and numerical analysis. That way we are evaluated more on our ability to apply numerical analysis in programming. Please see the above comments for more." -- Kaitlan Angel
7	"Yes. It put the problems in a more practical sense." -- Jason Stallkamp
8	No
9	"Yes. Overall I could've used more help learning MATLAB since I hadn't used it before but by the end of the course I felt confident in my abilities to translate knowledge and methods learned in class to MATLAB" -- Eli Nicholas
10	"Yep!" -- Michael Dugan
11	Yes, received help from the instructor and classmates
12	Yes, the Matlab exercises were helpful. Yes, the Matlab practice was sufficient instructions.
13	Personally, the output of the Matlab code was helpful, but not necessarily the creation of the code. I felt for the most part that I was capable of coding what I needed to (thanks to the instructor's examples posted on Canvas), but I'm not sure it helped me understand the mathematics underneath.
14	YES!!!

Q: What could have you done to be a better learner?

1	I wish I could take the worksheets home so I can continue my train of thought
2	Prepare better for lecture by reading more or reviewing notes better.
3	"I could have gone to office hours more." -- Clayton Moore
4	"I could have put more effort into the homework and studying for exams than I did." -- Al Rise
5	I think I always underestimated how much time I need to finish the homework
6	"I could have spent more time coding. I had a difficult time keeping up with the pace of the lecture and I needed to spend extra time on understanding the numerical concepts and I sacrificed time to practice coding. I also did not understand the binary IEEE portion of the class and failed it on the first exam and then never spent time on it again since it was not on the final." -- Kaitlan Angel

7	"come to office hours sooner, especially in the first two weeks. I came in not remembering how to compute Taylor series, and while it didn't take long to pick back up, it probably would have been safer to go to the first one or two office hours" -- Jason Stallkamp
8	Paid more attention. I slept in class like three times and was pretty confused afterwards.
9	"Paid closer attention during lectures..." -- Eli Nicholas
10	"Spend more time studying in a group rather than by myself!" -- Michael Dugan
11	Asking more questions in class if confused
12	Read the textbook.
13	Look at the worksheet and homework solutions