

Math 20D Summer Session 1 2022

Course Schedule

Week: Dates	M	Tu	W	Th	F
1: 6/27 – 7/1	Quarter Begins	Intro, 1.1, 1.2, 2.2		2.3, 2.4, 2.5	Discussion, MATLAB 1
2: 7/4 – 7/8		4.2, 4.3, 4.5	Discussion, HW1	4.6, 4.7	Discussion, MATLAB 2
3: 7/11 – 7/15		7.1, 7.2, 7.3, PS Review**	Discussion, HW2	7.4, 7.5, 7.6	Discussion, MATLAB 3, MT1
4: 7/18 – 7/22		7.8, 7.9	Discussion, HW3	8.2, 8.3	Discussion, MATLAB 4
5: 7/25 – 7/29	Term Paper	9.3, 9.5, 9.6 PS Review**	Discussion, MATLAB Quiz	* HW4	Discussion

The sections for the lectures above refer to the sections in the course textbook *Fundamentals of Differential Equations, 9th Edition*, by Nagle, Saff, and Snider. I advise you to read the relevant sections before each lecture, as well as review the sections after lecture. The lectures will occur every Tuesday and Thursday from 5 to 7:50 pm at Solis Hall 104.

*Time permitting, I may try to give an optional lecture on a topic that won't be tested on the final. I'd like to either talk about partial differential equations (the generalization of ordinary differential equations to allow both time and space derivatives) or numerical integration of differential equations (i.e., solving differential equations on a computer).

** We have problem sessions for the course scheduled on Tuesdays from 3 to 4:20 pm at SOLIS 104. We will only have problem sessions on Week 3 and Week 5, which we will use as review for the midterm and final, respectively.

Note:

- This schedule is tentative and subject to change, depending on the pace of the lectures.
- The homework sets are due each Wednesday at 11:59 pm, from Weeks 2 – 5.
- The MATLAB homeworks are due each Friday at 11:59 pm, from Weeks 1 – 4.
- **Midterm:** Friday 07/15/22. Available on Gradescope 12 pm – 11:59 pm.
- **Term Paper:** Due Monday 07/25/22 on Canvas under Assignments.
- **MATLAB Quiz:** Due Wednesday 07/27/22. See Math 20D MATLAB Site.
- **Final:** Saturday 07/30/22, from 7 pm to 9:59 pm, Location TBD.
 - Prior to the exams, I will discuss what sections may be tested on the exams. Exams will be cumulative.

See the next page for the weekly course times and office hours.

Math 20D Weekly Course Hours					
	Monday	Tuesday	Wednesday	Thursday	Friday
10:00AM		Collin's Office Hours			
10:30AM		10:00AM-11:00AM Zoom^			
11:00AM	Collin's Office Hours				
11:30AM	11:00AM-12:00PM Zoom^				
12:00PM					
12:30PM					
1:00PM					
1:30PM					
2:00PM		SI Session		SI Session	Brian's Office Hours
2:30PM		2:00PM-3:20PM TLC 1504		2:00PM-3:20PM Zoom	2:00PM-3:50PM Zoom^
3:00PM					
3:30PM					
4:00PM					Linhui's Office Hours
4:30PM					4:00PM-4:50PM Zoom^
5:00PM		Math 20D Lecture	Discussion A01	Math 20D Lecture	Discussion A01
5:30PM		5:00PM-7:50PM Solis 104	5:00PM-5:50PM Zoom^	5:00PM-7:50PM Solis 104	5:00PM-5:50PM Zoom^
6:00PM			Discussion A02		Discussion A02
6:30PM			6:00PM-6:50PM Center 217B		6:00PM-6:50PM Center 217B
7:00PM			Discussion A03		Discussion A03
7:30PM			7:00PM-7:50PM Center 217B		7:00PM-7:50PM Center 217B
8:00PM					

^ Linhui's Discussion Section and Office Hours Link: <https://ucsd.zoom.us/j/9030224344>

^ Collin's Zoom Office Hours Link: <https://ucsd.zoom.us/j/99698417040>

^ Brian's Zoom Office Hours Link: See Canvas Zoom Tab