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,		2.3, 2.4, 2.5	Discussion,
		2.2			MATLAB 1
2: 7/4 – 7/8		4.2, 4.3, 4.5	Discussion,	4.6, 4.7	Discussion,
			HW1		MATLAB 2
3: 7/11 – 7/15		7.1, 7.2, 7.3,	Discussion,	7.4, 7.5, 7.6	Discussion,
		PS Review**	HW2		MATLAB 3,
					MT1
4: 7/18 – 7/22		7.8, 7.9	Discussion,	8.2, 8.3	Discussion,
			HW3		MATLAB 4
5: 7/25 – 7/29	Term Paper	9.3, 9.5, 9.6	Discussion,	*	Discussion
	_	PS Review**	MATLAB Quiz	HW4	

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.

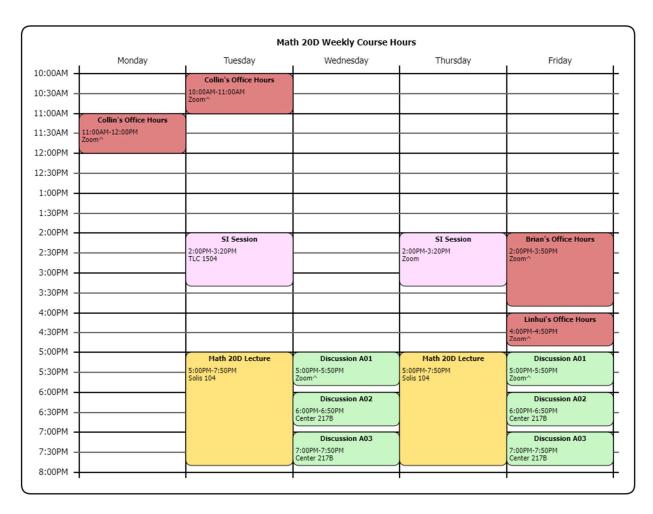
*Time permitting, I may try to give an optional lecture on a topic that won't be tested on the final. I'd like to either talk about partial differential equations (the generalization of ordinary differential equations to allow both time and space derivatives) or numerical integration of differential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



[^] 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