

**Math 20E Fall 2021 (A00) – Tentative Course Schedule****Instructor: Brian Tran**

<b>Week: Dates</b>	<b>M</b>	<b>Tu</b>	<b>W</b>	<b>Th</b>	<b>F</b>
<b>0: 9/20 – 9/24</b>				Quarter Begins	5.2, 5.3, 5.4 *
<b>1: 9/27 – 10/1</b>	5.3, 5.4, 5.5 *	Discussion	6.1		6.1, 6.2
<b>2: 10/4 – 10/8</b>	6.2	Discussion	6.2, 4.3, HW1		4.3, 7.1
<b>3: 10/11 – 10/15</b>	7.1, 7.2	Discussion	7.2, HW2		7.2 <sup>A</sup>
<b>4: 10/18 – 10/22</b>	7.3 <sup>A</sup>	Discussion	7.4, 7.5, HW3		7.4, 7.5
<b>5: 10/25 – 10/29</b>	Review <sup>R</sup> , MT1	Discussion	7.5	HW4	7.6
<b>6: 11/1 – 11/5</b>	7.6	Discussion	8.1, HW5		8.1 <sup>R</sup>
<b>7: 11/8 – 11/12</b>	4.4 (curl), 8.2	Discussion	8.2, HW6	Veterans Day	8.2, 4.4 (div)
<b>8: 11/15 – 11/19</b>	Review <sup>R</sup> , MT2	Discussion	8.4	HW7	8.4
<b>9: 11/22 – 11/26</b>	8.4, 8.3	Discussion	Differential Forms**, HW8	Thanksgiving	Thanksgiving
<b>10: 11/29 – 12/3</b>	Differential Forms**	Discussion	Final Review <sup>A</sup>	HW9	Final Review <sup>A</sup>
<b>F: 12/6 – 12/10</b>	Final Exam				

The sections for the lectures above refer to the sections in the course textbook *Vector Calculus, 6<sup>th</sup> edition* by Marsden and Tromba. I advise you to read the relevant sections before each lecture, as well as review the sections after lecture.

<sup>A</sup> These lectures will be asynchronous (find the videos posted in the Media Gallery on Canvas)

<sup>R</sup> These lectures will be given remotely through Zoom (link on Canvas Zoom LTI PRO)

\* These will be faster paced review lectures, since these topics were covered in Math 20C.

\*\* The lectures on differential forms will not be tested on the final exam. However, they will provide a unified review / summary of all of the “fundamental theorems of calculus” that we will learn in the course, so I recommend attending these. The reason that I do not want to test the material on the last few lectures is that you will not have had a chance to work on homework problems for that material. So, I instead plan to use two lectures to talk about differential forms, as a summary of what we learned in the course (from the perspective of differential forms) and to use the last two lectures as final review.

**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 – 10.
- The midterms will be on Monday of Week 5 and Monday of Week 8. We will have review lectures those mornings before the midterms are available. The final will be on Monday of Finals week, from 8 am to 11 am, at WLH 2001.
  - Prior to the exams, I will discuss what sections may be tested on the exams. Exams will be cumulative.

# Weekly Course Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
7:00AM		<b>Discussion A01</b>			
7:30AM		7:00AM-7:50AM APM B402A			
8:00AM	<b>Lecture</b>	<b>Discussion A02</b>	<b>Lecture</b>		<b>Lecture</b>
8:30AM	8:00AM-8:50AM WLH 2001	8:00AM-8:50AM APM B402A	8:00AM-8:50AM WLH 2001		8:00AM-8:50AM WLH 2001
9:00AM		<b>Kehan's OH 1</b>	<b>Brian's OH 1</b>		
9:30AM		9:00AM-10:00AM AP&M 6436	9:00AM-10:00AM Zoom		
10:00AM					
10:30AM					
11:00AM				<b>Brian's OH 2</b>	
11:30AM				11:00AM-12:00PM Zoom	
12:00PM		<b>Discussion A07</b>			
12:30PM		12:00PM-12:50PM Center Hall 203			
1:00PM		<b>Discussion A08</b>			
1:30PM		1:00PM-1:50PM Center Hall 203			
2:00PM					<b>Shubhankar's OH</b>
2:30PM					2:00PM-3:00PM AP&M 5412
3:00PM					
3:30PM					
4:00PM					<b>Kehan's OH 2</b>
4:30PM					4:00PM-5:00PM Zoom
5:00PM					
5:30PM					
6:00PM	<b>SI Session</b>	<b>Discussion A04</b>	<b>SI Session</b>		
6:30PM	6:00PM-7:20PM Zoom	6:00PM-6:50PM APM B402A	6:00PM-7:20PM Zoom		
7:00PM		<b>Discussion A05</b>			
7:30PM		7:00PM-7:50PM APM B402A			
8:00PM		<b>Discussion A06</b>		<b>Soumya's OH</b>	
8:30PM		8:00PM-8:50PM APM B402A		8:00PM-9:00PM Zoom	
9:00PM		<b>Discussion A03</b>			
9:30PM		9:00PM-9:50PM APM B402A			
10:00PM					