

**Spring 2020 Syllabus Addendum
Transitioning to Online Instruction**

Math 112-H02

Course Title: Calculus II Honors

Instructor: Professor J. Bechtold

Date: March 18, 2020

Math 112H: Transition to online instruction; Spring 2020

- Math 112H will continue to meet online during regularly scheduled class times.
- We will use the videoconferencing tool, Webex, to hold real time online lectures.
- Access to Webex will be possible through Canvas.
- Prior to each online lecture, students will be asked to complete pre-discussion work on their own. This work will include:
 - Viewing high quality lectures and recitations from MIT Opencourseware
 - Reading the textbook
 - Viewing worked examples on mymathlab (Multimedia Library)
 - Weekly mymathlab homework assignments
 - Additional problem sets
- The MIT course is Course # 18.01SC, “Single Variable Calculus (Fall 2010)” at the following link: <https://ocw.mit.edu/courses/mathematics/>

Week 9

1. View the following videos on the MIT Opencourseware, from **Unit 5: Exploring the Infinite** Part B: Taylor Series: Session 94: Infinite Series; and Session 95: Series Comparison
2. Read Section 10.4 of the text
3. View worked examples on mymathlab for section 10.4
4. Complete assigned mymathlab by Sunday night

Week 10

1. View the following videos on the MIT Opencourseware, from **Unit 5: Exploring the Infinite** Part B: Taylor Series Session 95: Series Comparison: View the recitation videos for Comparison Tests and Ratio Test
2. Read Section 10.5 and 10.6 of the text
3. View worked examples on mymathlab for section 10.5 and 10.6
4. Complete assigned mymathlab by Sunday night

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Week 11

1. View the following videos on the MIT Opencourseware, from **Unit 5: Exploring the Infinite** Part B: Taylor Series Session 97: Power Series: Session 98: Taylor's Series. View the recitation videos as well for these sessions
2. Read Section 10.7 and 10.8 of the text
3. View worked examples on mymathlab for section 10.7 and 10.8
4. Complete assigned mymathlab by Sunday night

Week 12

1. View the following videos on the MIT Opencourseware, from **Unit 5: Exploring the Infinite** Part B: Taylor Series Session 99: Taylor Series, Continued: Session 100: Operations on Power Series. View the recitation videos as well for these sessions
2. Read Section 10.9, 10.10 and 10.11 of the text
3. View worked examples on mymathlab for section 10.9, 10.10 and 10.11
4. Complete assigned mymathlab by Sunday night

Week 13

1. View the following videos on the MIT Opencourseware, from **Unit 4: Techniques of Integraion** Part C: Parametric Equations and Polar Coordinates: Session 80: Parametric Curves; and Session 81: Examples Using Parametrized Curves
2. Read Sections 11.1 and 11.2 of the text
3. View worked examples on mymathlab for sections 11.1 and 11.2
4. Complete assigned mymathlab by Sunday night

Week 14

1. View the following videos on the MIT Opencourseware, from **Unit 4: Techniques of Integraion** Part C: Parametric Equations and Polar Coordinates: Session 82: Polar Coordinates; Session 83: Polar Coorinates, Continued; Session 84: Polar Coordinates and Graphing
2. Read Sections 11.3, 11.4 and 11.5 of the text
3. View worked examples on mymathlab for section 11.3, 11.4 and 11.5
4. Complete assigned mymathlab by Sunday night