

# Tentative Topics Schedule

Fall 2022 - University of Portland

## Contents

|   |   |
|---|---|
| <b>Topics and Reading Materials</b> . . . . .       | 1 |
| <b>Books &amp; Online Resources Lists</b> . . . . . | 1 |

- See Books & Online Resources List for the reading materials -

The readings are not mandatory but it is encouraged.

Lecture slides will be available after class.

The “Reading” column in the table below contains a number on which it refers to a numbered item in the Books & Online Resources List. For example “[CV2]” refers to the first item in the list, which is our main text book titled “Calculus Volume 2”.

## Topics and Reading Materials

| Week     | Day     | Topic                                  | Reading<br>[CV2]       | WeBWork            | Activity                          | Lab    |
|----------|---------|--|------------------------|--------------------|-----------------------------------|--------|
| <b>1</b> | 8/29(M) | Orientation & Calculus I review        | Syllabus               | Integration Review | Integral/Anti-Derivative Dominoes | -      |
|          | 8/31(W) | 5.1 Sequences                          | Ch. 5.1                | Section 5.1        | Syllabus Quiz (take-home)         | -      |
|          | 9/1(Th) | 5.1 Sequences Cont. & 5.2 Series       | Ch 5.1 Cont. & Ch. 5.2 | Section 5.2        | -                                 | -      |
|          | 9/2(F)  | 5.2 Series Cont. & 5.3 Divergence Test | Ch. 5.2 Cont.          | -                  | -                                 | -      |
| <b>2</b> | 9/5(M)  | 5.3 Divergence Test Cont.              | Ch. 5.3 Cont.          | -                  | Discovery Worksheet               | -      |
|          | 9/7(W)  | 3.7 Improper Integrals                 | Ch. 3.7                | Section 3.7        | -                                 | -      |
|          | 9/8(Th) | Assessment                             | -                      | -                  | Convergence Quiz                  | Series |
|          | 9/9(F)  | 5.3 Integral Test                      | Ch. 5.3                | Section 5.3        | -                                 | -      |

## Books & Online Resources Lists

### Main Textbook

[CV2] [Herman, E., Strang, G., Radulovich, W., Rutter, E. A., Smith, D., Messer, K. R., ... & McCune, D. \(2016\). Calculus Volume 2.](#)