# Math M119 General Class Schedule and Suggested Textbook Problems

Textbook: Calculus and Its Applications, Bittinger, 12th edition, Pearson Custom Publishing

Day Section Practice Problems \*

1 R.1 Graphs and Equations R.1 1,5,9,11,13,19,24,31

 R.2 Functions and Models R.2 25,33,35,37,39,41,43,48,49,75,77

2 R.3 Finding Domain and Range R.3 1,7,11,15,17,26,27,57

 R.4 Slope and Linear Functions R.4 3,5,9,11,13,15,20 24,27,37,41,59,61,65

3 R.5 Nonlinear Functions and Models R.5 17,45-51 odd, 55-61 odd, 65,67,77

4 1.3 Average Rate of Change 1.3 21,23,30,33,47,51

 Difference Quotients 1.4 3,11,18,43

5 1.5 Differentiation Techniques: Power Rule 1.5 7-21 odd,27,33,35,39,48,49

 Quiz Chapter R online in MyLab 51,52,58,60,62,65,70,76,79,91

 Math Quiz Chapter R in class

6 1.6 Product and Quotient Rules 1.6 1,3,5,9,21,25,31

7 1.7 The Chain Rule 1.7 1,3,5,7,11,13,17,21,41,59,63

8 1.8 Higher Order Derivatives 1.8 1,3,5,7,9,13,17,19,35,38,39,47

9 Review

10 Test 1 Chapter 1

11 2.1 Exponential and Log Functions Base e 2.1 2,9,11,13,17,19,21,39,41,45,47,69,71

12 2.2 Derivatives of Exponential Functions 2.2 1,3,5,7,11,13,18,36,51,66

 Derivatives of Natural Log Functions 2.3 1,3,7,13,17,29

13 2.4 Applications: Exponential Growth 2.4 7,9,13,15,19

 2.5 Applications: Exponential Decay 1,23,25,27,35,37,39

14 Review

15 Test 2 Chapters 2 and 1

16 3.1 First Derivatives/Max & Min Values 3.1 9,11,17,19,36,39,41,47

17 3.2 Second Derivatives/ Inflection Points 3.2 1,13,19,21,30,33,35

18 3.4 Absolute Maximum and Minimum Values 3.4 1,3,7,9,13,16,49

19 3.5 Applications to Business/Economics 3.5 1,5,15,25,27,31,34,36,39

20 3.6 Marginals and Wrap-up 3.6 26,27,29,32,35

21 Review

22 Test 3 Chapters 3,2,1

23 4.1 Antidifferentiation Finding a Particular 4.1 1,3,7,9,11,15,17,19,21,25,27,31,47,49,55,60

 Antiderivative Total Cost from Marginal Cost

24 4.2 Antiderivatives as Area 4.2 1,5,19,21

25 4.3 Area and Definite Integrals/ FTC 4.3 1,3,5,7,9,11,13,29,31,37,39,41,43,45,63,73,75

26 Review

27 Test 4 Chapters 4,3

28 5.2 Present and Future Values 5.2 1,3,5,9,13,20

29 Final Exam Review

30 Final Exam Chapters 1,2,3,4,5.2

\* Similar problems will be included in MyLab Math online homework assignments.