

# Survey of Calculus (Math 106)

## Assignments

Fall Semester, 2007

Assignments are listed by the **date due**.

A PDF version of this page is available for printing.

These assignments are simply exercises designed to prepare you for the quizzes and exams. As infra-structure is developed, it may become possible for you to respond to these assignments online, but solutions written on paper will not be collected.

**Please be sure to present timely excuses for legitimate absences from class.**

**Tue., Dec. 18:**

**Final Examination:** 10:30 – 12:30

**Mon., Dec. 17:**

**Office hours:** 9:45 – 10:45 and 2:15 – 4:15

**Fri., Dec. 14:**

**Office hours:** 2:15 – 4:15

**Fri., Dec. 7:**

**Quiz**

Bring questions for review

**Notes distributed during class:**

- Portable Document Format (PDF)<sup>1</sup>
- Modern HTML with MathML<sup>2</sup>

**Wed., Dec. 5:**

**Quiz**

**Exercises:**

**423:** 6 – 12, 14, 17 – 22

(not the corresponding problems on p. 414 as listed in the original posting of this assignment)

**Mon., Dec. 3:**

**Quiz**

**Read:** § 7.4

**Exercises:**

**414:** 21, 23, 25, 27, 29, 30

**423:** 1 – 5

Repeat **414:** 30 using the method of Lagrange multipliers

**Fri., Nov. 30:**

**Quiz**

**Read:** § 7.3

**Exercises:**

**405:** 17, 19, 21, 23, 25, 27, 29

**414:** 1, 3, 5, 7, 9, 11, 13, 17, 19

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<sup>1</sup>URI: ../frev106f2007.pdf

<sup>2</sup>URI: ../frev106f2007.xhtml

**Wed., Nov. 28:**

**Quiz**

**Read:** § 7.2

**Exercises:**

**397:** 15, 17, 19, 21, 23

**405:** 1, 3, 5, 7, 9, 11, 13, 15

**Mon., Nov. 26:**

**Quiz**

**Read:** § 7.1

**Exercises:**

**372:** 25, 27, 29, 31, 33, 35

**379:** 17, 19, 21, 23, 25, 27

**396:** 1, 3, 5, 7, 9, 11

**Wed–Fri., Nov. 21–23:**

**University Recess**

**Mon., Nov. 19:**

**Quiz**

**Read:** § 6.7 **Exercises:**

**364:** 29, 31, 33, 37

**372:** 15, 17, 19, 21, 23

**379:** 1, 3, 5, 7, 13, 15

**Fri., Nov. 16:**

**Quiz**

**Read:** § 6.6

**Exercises:**

**355:** 27, 29

**363:** 11, 13, 15

**372:** 1, 3, 5, 7, 9, 11, 13

**Wed., Nov. 14:**

**Quiz**

**Read:** § 6.5

**Exercises:**

**345:** 37, 39, 41, 43

**354:** 17, 19, 21, 23

**363:** 1, 3, 5, 7, 9

**Mon., Nov. 12:**

**Quiz**

**Exercises:**

**334:** 17, 27

**345:** 23, 25, 27, 31, 33, 35

**354:** 7, 9, 11, 13, 15

**Fri., Nov. 9:**

**Quiz**

**Read:** § 6.4

**Exercises:**

**333:** 15, 25

**345:** 11, 13, 15, 17, 19, 21, 29

**354:** 1 – 6

**Wed., Nov. 7:**

**Quiz**

**Read:** § 6.3

**Exercises:**

**324:** 31, 33, 35, 37, 43, 45, 47

**333:** 7, 11

**345:** 1, 3, 5, 7, 9

**Mon., Nov. 5:**

**Read:** § 6.2

**Exercises:**

**301:** 15, 17, 19, 21, 23, 24

**324:** 13, 15, 17, 19, 20, 25, 27, 29

**333:** 5

**Fri., Nov. 2:**

**Quiz**

**Read:** § 6.1

**Exercises:**

**292:** 13, 15, 17, 23

**301:** 7, 9, 11, 13

**324:** 1, 3, 5, 7, 9, 11

**Wed., Oct. 31:**

**Quiz**

**Read:** § 5.3

**Exercises:**

**284:** 15, 17, 19, 24

**292:** 7, 9, 11, 12, 21

**301:** 1, 3, 5

**Mon., Oct. 29:**

**Read:** § 5.2

**Exercises:**

**272:** 39, 41, 49

**284:** 5, 7, 9, 13

**292:** 1, 3, 5, 19

**Fri., Oct. 26:**

**Quiz**

**Read:** § 5.1

**Exercises:**

**268:** 31, 33 – 36

**272:** 21, 23, 25, 27, 29, 31, 33, 35

**284:** 1, 3, 5

**Wed., Oct. 24:**

**Read:** § 4.6

**Exercises:**

**264:** 41, 43, 45, 47

**268:** 21, 22, 25, 27, 29

**272:** 3, 5, 7, 11, 13, 17, 19

**Mon., Oct. 22:**

**Quiz**

**Read:** § 4.5

**Exercises:**

**259:** 38, 41 – 43  
**264:** 23, 27, 33, 39  
**268:** 1, 3, 5, 7, 9, 15, 17

**Fri., Oct. 19:**

Regular class meeting; no assignment

**Wed., Oct. 17:**

Midterm Test in class

**Mon., Oct. 15:**

Notes distributed during class:

- Portable Document Format (PDF)<sup>3</sup>
- Modern HTML with MathML<sup>4</sup>

**Review Session**

Bring questions

**Fri., Oct. 12:**

**Quiz**

**Read:** § 4.4

**Exercises:**

**253:** 29 – 31, 33 – 35, 37  
**258:** 21 – 25, 27, 29, 33, 35  
**264:** 1 – 6, 7, 9, 11, 14, 15, 19, 21

**Wed., Oct. 10:**

**Quiz**

**Read:** § 4.3

**Exercises:**

**249:** 33, 37  
**253:** 11 – 13, 15, 19, 23, 25, 27  
**258:** 1, 3, 5, 7, 13, 15, 17, 19

**Mon., Oct. 8:**

**Read:** § 4.2

**Exercises:**

**229:** 48, 49, 53, 57  
**239:** 33, 37, 47  
**248:** 13, 15, 17, 21, 23, 29  
**253:** 1, 2, 3, 5, 8 – 10

**Fri., Oct. 5:**

**Quiz**

**Read:** § 4.1

**Exercises:**

**229:** 35, 39, 43, 45  
**239:** 23, 25, 27, 29  
**248:** 1, 3, 5, 9

**Wed., Oct. 3:**

**Quiz**

**Read:** § 3.3

**Exercises:**

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<sup>3</sup>URI: ../mrev106f2007.pdf

<sup>4</sup>URI: ../mrev106f2007.xhtml

**221:** 33, 41, 43, 45, 49

**229:** 21, 25, 27, 29, 31

**239:** 3, 5, 7, 11, 17, 19

**Mon., Oct. 1:**

**Read:** § 3.2

**Exercises:**

**221:** 13, 18, 23, 25, 30 – 32

**229:** 1, 5, 7, 9, 11, 17, 19

**Fri., Sep. 28:**

**Quiz**

**Read:** § 3.1

**Exercises:**

**186:** 9 – 11, 14 – 16, 21, 22

**221:** 1 – 12

**Wed., Sep. 26:**

**Read:** § 2.5

**Exercises:**

**172:** 37 – 39, 41 – 43

**178:** 17 – 21, 29 – 32

**186:** 1 – 7

**Mon., Sep. 24:**

**Quiz**

**Read:** § 2.4

**Exercises:**

**161:** 40

**171:** 17 – 21, 25 – 29

**178:** 1 – 3, 7 – 12, 23 – 25

**Fri., Sep. 21:**

**Quiz**

**Read:** § 2.3

**Exercises:**

**159:** 13 – 19, 21 – 23

**171:** 1 – 4, 9 – 12

**Wed., Sep. 19:**

**Quiz**

**Read:** § 2.2

**Exercises:**

**149:** 9 – 12, 19 – 23, 30 – 32

**158:** 1 – 10

**Mon., Sep. 17:**

**Read:** § 2.1

**Exercises:**

**133:** 10 – 15, 17, 19, 23, 29

**149:** 1 – 8, 13, 17, 18

**Fri., Sep. 14:**

**University in recess:** no class

**Wed., Sep. 12:**

**Quiz**

**Read:** § 1.8

**Exercises:**

**116:** 53, 55, 57, 63

**125:** 27, 29, 33, 35

**133:** 1, 3, 5, 9

**Mon., Sep. 10:**

**Quiz**

**Read:** § 1.7

**Exercises:**

**101:** 67 – 72

**108:** 21, 25, 26, 31, 34

**116:** 41, 42, 44, 47, 49

**124:** 7, 8, 15, 19, 25

**Fri., Sep. 7:**

**Quiz**

**Read:** § 1.6

**Exercises:**

**89:** 42 – 44, 46, 57, 60

**101:** 19 – 23, 28, 41, 50, 53, 58

**108:** 1 – 6, 15, 16, 18

**116:** 7, 11, 15, 26, 29, 33

**Wed., Sep. 5:**

**Read:** § 1.4–1.5

**Exercises:**

**76:** 21–23, 25–27, 33–35, 38

**89:** 17, 19, 22, 24, 26, 28, 34–37

**101:** 1–12

**Mon., Sep. 3:**

**Labor Day Recess:** no class

**Fri., Aug. 31:**

**Read:** § 1.2–1.3

**Exercises:**

**68:** 3, 4, 6, 7–9, 11, 17, 18, 21, 29

**76:** 1–9, 15, 19, 20

**89:** 4, 8, 12

**Wed., Aug. 29:**

**Acquire the textbook.**

**Read:** § 1.1

**Pre-calculus review exercises:**

**14:** 27–40

**25:** 20, 24, 29, 34

**29:** 4, 11, 21

**37:** 4, 13, 17, 27

**43:** 6, 18, 31, 37, 48, 59

**Mon., Aug. 27:**

**First meeting:** no assignment.

