

Classroom & Class Hours:

WTWR: 1:00 – 3:15 p.m.

Room: Lincoln 305

Text: *Calculus* – (7th Edition) – by J. Stewart. Brooks/Cole. 2012.Course Syllabus: <http://mathstat.ysu.edu/> Follow link: Courses and Syllabi (Undergraduate MATH Courses)

Instructor:

George Yates

Office hours: MTWR: 11:00 a.m. – 11:50 a.m.

Office: Lincoln 629

and by appointment

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<http://gyates.people.ysu.edu>

Attendance: Regular attendance is strongly encouraged. You are responsible for all lectures, announcements and assignments whether you attend class or not.

Electronic Devices: Calculators may NOT be used on quizzes and test unless permitted by the instructor in advance. Use of cell phones and other communication devices are prohibited in class.

Homework: Assigned homework problems are listed on a separate page. These or additional homework problems may be assigned in class and collected. **Working these problems is the most useful activity for learning the course material.** The test and quiz problems will be of similar type.

Quizzes and Tests: Tests and quizzes will be given in class, and will be closed book. No make-up quizzes will be permitted. Make-ups Tests will be allowed only in exceptional cases with a valid written excuse.

Computer Projects: Computer projects using MATLAB or Maple may be assigned. Some computations by hand may be included in these projects.

Tentative Test Schedule:	Test 1	Chapters 12 & 13	May 24
	Test 2	Chapters 14 & 15	June 7
	Final Exam	Chapters 12 - 16	June 21

Final Exam: The Final Exam will be comprehensive, and will be administered on Thursday June 21, 2018, 1:00 pm – 3:15 pm.

Your **Course Grade** will be based on performance in the following:

Quizzes, homework & project (max. of)	100 points	} (max. possible = 450 points)
Tests (2 at 100 point each)	200 points	
Final Exam	150 points	

Your **Course Grade** will be assigned on the basis of the total points accumulated during the semester according to the following scale:

90 - 100 %	A
80 - 89 %	B
70 - 79 %	C
60 - 69 %	D
below 60 %	F

Any changes or additions to the course syllabus and grading policy will be announced in class.

HOMEWORK PROBLEMS (MATH 2673 – Calculus 3)

Working these problems is the single most useful activity for reinforcing your learning the material. The test and quiz problems will be of similar type. Occasionally, these homework problems may be collected.

Problems in **bold** are core exercises.

Section: Problems:

Chapter 12

- 12.1: 1, **3, 5**, 7, 9, **10, 11**, 13, **15**, 17, **27, 29**, 31, 33, **35**, 37
12.2: **1, 5, 9, 13, 15, 17, 19, 21, 23, 25, 27**, 29, 31, **33**, 35, 37, 45
12.3: **1, 3, 5, 9**, 11, **15**, 17, **19, 23**, 27, 29, **33, 35, 39, 41**, 51, 53
12.4: **3**, 7, 9, **13, 15**, 17, **19, 27**, 29, **33**, 35, 37, **39**
12.5: **1, 3**, 5, **7**, 11, 13, **19**, 21, **25**, 27, **31, 35, 41, 45, 49, 53**, 57, 59, 71,
12.6: **1, 3, 11, 15, 17, 19**, 23, 27, 31, **33**, 41

Chapter 13

- 13.1: **1, 3, 7, 9**, 15, **19, 21**, 25, **27**, 29, 31
13.2: **3, 7, 9**, 13, 17, **19, 21, 23, 35**, 39, 41, **49**
13.3: **1, 3, 7, 13, 17**, 19, 21, **23, 25, 27**, 31, 43, **47**
13.4: **1, 3, 7, 9**, 11, **15**, 17, **19**, 23, **37**, 39

Chapter 14

- 14.1: **1, 3, 9**, 13, **15**, 21, **25**, 27, 29, 31, **35, 39, 43**, 51, **59**, 63, **67**
14.2: **1, 7, 9**, 13, 17, **21, 27**, 29, **31**, 37, 39
14.3: **1, 5**, 17, **19, 23, 31**, 33, **41**, 43, **45, 47**, 49, **53**, 55, 59, **63**, 65, 77
14.4: **1, 5, 11**, 15, 17, **21, 25**, 27, **31, 33**, 35
14.5: **1, 3, 5, 7**, 11, **17**, 19, **21**, 25, **27**, 29, **31**, 33, **35**, 39, **51**
14.6: **1, 5, 7, 9, 11**, 15, 17, 19, 21, **25, 33**, 39, **41**, 45
14.7: **1, 3, 5, 9, 13**, 15, 21, **29**, 31, **39, 43**, 51
14.8: **1, 3, 5, 7**, 11, **15, 19**, 27, **29**, 33, 43

Chapter 15

- 15.1: **1, 3**, 11, **13**
15.2: 1, **3, 7, 9, 13, 17**, 19, **23, 25**, 27, **35, 37**
15.3: **1, 5, 7, 9, 15, 17**, 19, **21, 23**, 27, 43, **47, 49**, 51, 59
15.4: **1, 3, 5, 9, 11, 15**, 17, **19**, 25, **29**, 31
15.5: 1, 3, 5, **7, 11**, 13, **17, 21**, 23, **29**
15.6: 1, **3, 7**, 9, 11
15.7: **3, 7, 9, 11, 13**, 17, **19**, 21, 27, **35, 39**, 41, **43**
15.8: **1, 3, 5, 6, 7, 8, 9, 10, 11**, 12, **17**, 19, 23, **29**
15.9: **1, 3, 5, 6, 7, 8, 9, 10, 11**, 13, **21**, 23, 27, 35, **39**
15.10: **1, 3, 5, 7, 9, 11**, 13, **15**, 17, **23**, 25

Chapter 16

- 16.1: **1, 3, 5, 7, 9, 11**, 13, **15**, 17, **23**, 25
16.2: **1, 3, 5, 7, 9, 11**, 13, 15, 19, **21, 29, 33**, 39, **41**
16.3: **1, 3, 5, 7, 11, 13**, 15, **19, 23, 25**, 31, **33**
16.4: **1, 3, 5, 7, 9, 11, 13, 17, 23**