

## MATH 233 SYLLABUS, SPRING 2020

Section	Instructor	Class Hour / Room
1	Quo-Shin Chi	MWF 9am-9:50am / McMillan G052
2	Quo-Shin Chi	MWF 11am-11:50am / McMillan G052
3	Laura Escobar	MWF 12pm-12:50pm / Hillman 60

Exam	Day / Time
1	February 5 / 6:30pm-8:30pm
2	March 4 / 6:30pm-8:30pm
3	April 6 / 6:30pm-8:30pm
4	April 30 / 3:30pm-5:30pm

### EXAM SEATS AND ANSWERS LOOKUP:

<https://www.math.wustl.edu/mathlookup/>

Instructor	Office	Office Hours	Email Address
Chi	Room 210, Cupples I	MW 4pm-6pm	chi@wustl.edu
Escobar	Room 211A, Cupples I	M 4pm-6pm W 3pm-4pm	laurae@wustl.edu

Assistant Instructor	Recitation Class Hour / Room	Email Address
Eric Pasewark	T 8:00am-8:50am / Crow 205	eric.pasewark@wustl.edu
Eric Pasewark	T 9:00am-9:50am / Crow 205	
Haohua Deng	T 9:00am-9:50am / Eads 215	haohuadeng@wustl.edu
Tyler Williams	T 9:00am-9:50am / Cupples I 215	tgwilliams@wustl.edu
Haohua Deng	T 10:00am-10:50am / Eads 215	
Tiansi Li	T 11:00am-11:50am / Lopata Hall 302	litiansi@wustl.edu
Tyler Williams	T 12:00pm-12:50pm / Lopata Hall 201	
Weiyang Huang	T 12:00pm-12:50pm / Eads 102	huangweiyang@wustl.edu
Bowei Zhao	T 12:00pm-12:50pm / McDonnell 361	b.zhao@wustl.edu
Tiansi Li	T 1:00pm-1:50pm / Lopata Hall 302	
Weiyang Huang	T 1:00pm-1:50pm / Eads 102	
Bowei Zhao	T 1:00pm-1:50pm / McDonnell 361	

## HELP WITH CALCULUS:

- (1) Instructors' office hours (see top of page)
- (2) Assistant Instructors' office hours in Calculus Help Room:  
<https://www.math.wustl.edu/blake/calculus/>
- (3) The Learning Center - Calculus:  
<https://learningcenter.wustl.edu/academic-programs/help-with-courses/>
- (4) PLTL (Peer-Led Team Learning): Students who wish to participate must sign up at the beginning of the semester:  
<https://learningcenter.wustl.edu/academic-programs/academic-program-types/peer-led-team-learning/>
- (5) Engineering Tutoring Services (only available to EN students):  
<https://engineering.wustl.edu/current-students/student-services/Pages/default.aspx>
- (6) There is a list of math tutors available in the main office of the Mathematics Department (Cupples I Room 100): 314-935-6760
- (7) Link to old Math 233 exams:  
<https://wustl.app.box.com/embed/s/whgujg3fsnfi87cbsedl675mf6qxd8oc/folder/4678396782>
- (8) RPMs (Residential Peer Mentors):  
<https://learningcenter.wustl.edu/academic-programs/academic-program-types/>

**NO** calculators are allowed in any exam. Answers for all exam questions can be calculated by hand. However, you are allowed to bring one and only one **4-by-6** index card with notes, on both sides if you so wish, to each exam. Always bring your Washington University photo ID to exams; the proctors will check the IDs.

**WeBWork:** In addition to the four exams, you will complete 10 WeBWork assignments, each of which consists of 10 questions and each question is worth 1 point. Scroll down to the following **course schedule**, in which you will find the posting date and due date of each WeBWork assignment. To access an assignment, log into Canvas, click math 233 and the WeBWork assignment number, such as WeBWork-1, or WeBWork-8, etc., and follow the instructions there for each question.

Each WeBWork assignment will be posted on a Thursday at 11:00pm, and will be due on the Friday of the following week at 11:59pm (see the course schedule below).

**GRADING POLICY:** Each of the three midterm exams will consist of 18 multiple choice questions (to be computer graded) and one free response question (to be hand graded). The final exam will consist entirely of multiple choice questions. Each multiple choice question is

worth 5 points, and each free response question is worth 10 points. You can find your grades on Canvas.

**Overall Score**

$$= 0.19 * (E_1 + E_2 + E_3) + 0.28 * E_4 + 0.15 * (W_1 + \dots + W_{10}),$$

where  $E_1, \dots, E_4$  are the four exam scores and  $W_1, \dots, W_{10}$  are the 10 WeBWork scores.

In case the lowest of the  $E_1, E_2, E_3$  is less than the score on the final exam, this lowest value will be replaced in the formula by  $E_4$  (but only once should you have two exams with identical lowest scores). Thus, the lowest **in-semester exam score** will be dropped out, to be replaced by the **final exam score**, in computing the overall score.

The letter grades will be given by the following scheme, where **OS** stands for your overall score.

Letter Grade	Numerical Range
A+	$98 \leq OS \leq 100$
A	$94 \leq OS < 98$
A-	$90 \leq OS < 94$
B+	$85 \leq OS < 90$
B	$75 \leq OS < 85$
B-	$70 \leq OS < 75$
C+	$65 \leq OS < 70$
C	$60 \leq OS < 65$
C-	$55 \leq OS < 60$
D	$45 \leq OS < 55$
F	$OS < 45$

To earn a Pass in P/F or Credit in CR/NCR you must earn an overall score of 55 or above.

**MISSED EXAMS:** If you are unable to take one of the midterm exams  $E_1, E_2, E_3$  for legitimate reasons (such as **verified** illness or serious family emergency, which are in general the only legitimate reasons) you will not be given a make-up exam. You need to let your instructor know asap and if everything is in order you will get an excused absence. Your grade for the missed exam will be calculated by a statistical procedure which uses your scores on the other taken exams, including the Final. If you miss the Final Exam, and for that receive an excused absence, then you must take a make-up Final exam at the beginning of the Fall semester. Until then your grade will be listed as F/NCR.

**DISABILITY RESOURCES:** Special accommodations for exams are offered to students who are registered at Disability Resources (DR). Information about DR may be found at <http://disability.wustl.edu>. Students who desire to take advantage of this service should visit DR early in the semester, well before the first exam.

**TEXTBOOK:** Stewart, Calculus, Multivariable Calculus, 8th edition. There is **no need** to purchase the Web Assign access code.

**COURSE SCHEDULE** (Suggested problems will **not** be collected. **W1, W8** indicates WeBWork assignment 1, 8, etc.)

Week	Sections	Suggested Problems
#1 M 1/13 W 1/15 F 1/17	12.1-12.2 12.3 12.3-12.4	<b>12.2:</b> 9-29 odd, 37-39 <b>12.3:</b> 3-9 odd, 15-19 odd, 23, 39-43 odd, 49, 51 <b>12.4:</b> 1-7 odd, 19-35 odd, 43, 45, 53
#2 M 1/20 W 1/22 Th 1/23 F 1/24	MLK Holiday 12.4-12.5 <b>W1 posted</b> 12.5	No Class <b>12.5:</b> 19-27 odd, 29, 35  <b>12.5:</b> 45, 47, 51-59 odd, 71, 73
#3 M 1/27 W 1/29 Th 1/30 F 1/31	13.1 13.2 <b>W2 posted</b> 13.4	<b>13.1:</b> 1, 3, 17, 19, 43, 45 <b>13.2:</b> 9, 11, 17-31 odd, 35, 37  <b>13.4:</b> 9 -19 odd, 21-31 odd, 37-41 odd; <b>W1 due</b>
#4 M 2/3 W 2/5 Th 2/6 F 2/7	13.4, 13.3 13.3; <b>Exam 1</b> <b>W3 posted</b> 14.1-14.2	<b>13.3:</b> 1-9 odd <b>13.3:</b> 21-29 odd, 55  <b>14.1:</b> 9, 11, 45, 49; <b>14.2:</b> 5-15 odd, 29, 31; <b>W2 due</b>
#5 M 2/10 W 2/12 Th 2/13 F 2/14	14.3 14.4 <b>W4 posted</b> 14.5	<b>14.3:</b> 15-39 odd, 47-55 odd, 63, 65 <b>14.4:</b> 1-5 odd, 11-15 odd, 19, 21, 25-33 odd  <b>14.5:</b> 1-11 odd, 21-33 odd; 39, 41, 43; <b>W3 due</b>
#6 M 2/17 W 2/19 Th 2/20 F 2/21	14.6 14.6 <b>W5 posted</b> 14.7	<b>14.6:</b> 5, 11-17 odd, 21-25 odd <b>14.6:</b> 7, 9, 33, 41-45 odd, 55-65 odd  <b>14.7:</b> 5-13 odd, 31-37 odd; <b>W4 due</b>
#7 M 2/24 W 2/26 Th 2/27 F 2/28	14.7 14.8 <b>W6 posted</b> 14.8-15.1	<b>14.7:</b> 41-55 odd <b>14.8:</b> 3-11 odd, 15, 31, 33  <b>15.1:</b> 1, 3, 11-21 odd; <b>W5 due</b>
#8 M 3/2 W 3/4 F 3/6	15.1 15.2; <b>Exam 2</b> 15.2	<b>15.1:</b> 27-31 odd, 37-43 odd <b>15.2:</b> 1-9 odd, 23, 25 <b>15.2:</b> 27-31 odd, 51 - 57 odd; <b>W6 due</b>

Week	Sections	Suggested oblems
# 9	Spring Break	No Class
#10 M 3/16 W 3/18 Th 3/19 F 3/20	15.2-15.3 15.3 <b>W7 posted</b> 15.5	<b>15.3:</b> 7 -13 odd <b>15.3:</b> 19 - 31 odd  <b>15.5:</b> 1-11 odd, 17, 23
#11 M 3/23 W 3/25 Th 3/26 F 3/27	15.6 15.6-15.7 15.7 15.7	<b>15.6 :</b> 1-11 odd <b>15.6:</b> 13-21 odd <b>15.7:</b> 17, 19, 21; <b>W8 posted</b> <b>15.7:</b> 23, 25(a), 29; <b>W7 due</b>
#12 M 3/30 W 4/1 Th 4/2 F 4/3	15.7-15.8 15.8 <b>W9 posted</b> 16.1-16.2	<b>15.8:</b> 21, 23, 25, 27, 29(a) <b>15.8:</b> 35, 41, 43  <b>16.1:</b> 11, 13, 21, 23; <b>16.2:</b> 1-15 odd; <b>W8 due</b>
#13 M 4/6 W 4/8 Th 4/9 F 4/10	16.2; <b>Exam 3</b> 16.3 <b>W10 posted</b> 16.4	<b>16.2:</b> 19, 21, 39, 41, 45 <b>16.3:</b> 3-9 odd, 13-17 odd, 33, 35  <b>16.4:</b> 1-9 odd; <b>W9 due</b>
#14 M 4/13 W 4/15 F 4/17	16.4-16.5 16.6 16.7-16.8	<b>16.4:</b> 11, 13, 17, 19, 21; <b>16.5:</b> 1-7 odd, 13-17 odd 33, 35, 39-49 odd, 61 <b>16.7:</b> 5-31 odd; <b>16.8:</b> 3-9 odd; <b>W10 due</b>
#15 M 4/20 W 4/22 F 4/24	16.8 16.8-16.9 16.9	<b>16.8:</b> 13-17 odd <b>16.9:</b> 1, 3 <b>16.9:</b> 5-13 odd
4/30	<b>Exam 4</b>	3:30pm-5:30pm