

MATH 182 (Calculus 2) Spring 2019 Section 1002

Time & Location: MWF 12:00pm-12:50pm in room DMSC103

Instructor: He Wang

Email: hew@unr.edu

Office: MM307

Office Hours: 2:30pm-5:30pm Wednesday, and by appointment.

• **Electronic/hardcopy Textbook (required):**

Textbook: *Calculus, Early Transcendentals, 8th Edition* by James Stewart

Online Homework Software: WebAssign (www.webassign.net)

You will need the Class Key to enroll in the WebAssign course:

WebAssign Class Key: unr 2254 4153

There are two options for purchasing the text:

1. Traditional hard copy textbook.
2. eText within the WebAssign online software at www.webassign.net

All students must register for this course online by going to www.webassign.net and following the instructions. You will need a valid email address, class key and an access code (comes with textbook purchase or is purchased online) to register. All students must register by **January 28, 2019**. If you need assistance registering, please contact WebAssign at (800) 955-8275.

• **Student Learning Outcomes:** Upon completing this course, student shall be able to

1. Evaluate definite and indefinite integrals using various techniques of integration, e.g. substitution, integration by parts, and partial fractions.
2. Apply integration to compute arc lengths, as well as areas and volumes of revolutions.
3. Test infinite series for convergence and represent functions using power series.

• **Topics Covered:** Substitution rule, Area between the curves, Volumes, Improper integrals, Sequences, Series, Integral test, Comparison, Alternating and Ratio tests, Power Series, Taylor and Maclaurin Series, Work, Arc Length, Differential and Separable Equations, Euler's Method, Integration By Parts, Trigonometric Substitutions for Integrals, Integration of Rational functions by using partial fractions, Approximate Integration.

• **Recitation Sessions:**

Your recitation session meets every **Tuesday** and **Thursday** in Room **FH 219** at **1:00pm - 1:50pm (for section 1202) and at 2:00pm - 2:50pm (for section 1203)**. You can only attend the recitation time that you are registered for. Your **Teaching Assistant (TA)** for recitation is:

Rashelle Debolt

Email: rdebolt@nevada.unr.edu

Office Hours: TR 11:00am-1:00pm in the De La Mare library on the 3rd floor.

In recitation, your TA will answer your questions about the material I cover in lecture, work on practice problems, answer your questions about homework, and help you review for exams. Also, you will have weekly quizzes in your recitation section.

- **Course Prerequisites:** A grade of C- or better in MATH 181: Calculus I (or equivalent), as well as strong background in college algebra and trigonometry.

- **Grading:** The grade for this course is based on graded homework assignments, quizzes, two midterm exams, and a final exam. Each of these contributes a percentage of points to your course total, as described in the first table below.

Homework	15%
Quizzes	10%
Midterms (3)	50%
Final exam	25%

90% -92%	A-;	93% -100%	A;
80% -82%	B-;	83% - 86%	B;
70% -72%	C-;	87% -89%	B+;
60% -62%	D-;	73% -76%	C;
0% - 59%	F.	77% -79%	C+;
		63% -66%	D;
		67% -69%	D+;

The table on the right indicates how your final course grade is determined based on your percentage of earned points.

- **Homework**

All homework assignments are to be completed online in WebAssign and will account for 15% of your final grade. Due dates will be posted online and it is your responsibility to keep up with the homework and due dates. Late homework will not be accepted under any circumstances, even if the reason is valid or “excused”. Instead, your lowest two assignments from the homework category will be dropped. You are allowed to work on homework with your classmates, a tutor, or in the math center. Getting help on homework is encouraged and is not considered cheating. The **deadline** for homework will be on each **Wednesday** night.

- **Quizzes**

Quizzes will be given on a roughly weekly basis during the semester and account for 10% of your final grade. you will have weekly quizzes in your recitation section. There will be no makeup quizzes allowed. Instead, your two lowest quiz scores will be dropped at the end of the semester.

- **Exams**

There will be 3 midterm exams (totaling 50% of your final grade) and a comprehensive final exam (worth 25% of your final grade). Please see the class schedule below for exam dates. The problems on the exams will be modeled on the homework problems from the textbook, making it all the more important to work through as many problems as time allows. Part of each test will be comprised of multiple choice questions, the other portion will be free response.

You must have your UNR student ID with you for all exams. In general, makeup exams will not be allowed. Missing an exam is a serious issue and accommodations will only be considered for serious circumstances with documentation. In these cases, accommodation can mean either a makeup exam or using the final exam score to replace the missed exam score, at the instructor's discretion.

Policies:

- **Calculators:** Only scientific calculators (that is calculators without the ability to graph) will be allowed during exams. No smartphone, tablets, computers or other electronic equipment is allowed for exam taking.
- **Attendance and Absences:** It is highly recommended that you attend class as the material in this course is at times challenging and may be difficult to master on your own. Missing a lecture is NOT an excuse for not knowing what material was covered that day, and what assignments were made or were due. There will be 3-4 times attendance check before each exam.
- **Make-up assignments:** Make-up exams will only be given for absences with a valid excuse, such as an illness. If you know in advance that you will be missing an exam date, notify the instructor at the earliest possible time. As the two lowest graded homework scores and the two lowest quiz scores will be dropped at the end of the semester, make-up homework assignments and make-up quizzes will only be given if the students missed several assignments/quizzes for valid reasons.
- **Drop deadline:** The last day to drop the class and receive 100% of your money back is Setp.6. The last drop date with no money back and receiving a “W” is Nov. 1 (check again at the UNR website).
- **Academic misconduct:** You must work independently on all exams unless your exam instructions indicate otherwise. Any behavior inappropriate to test taking that may disturb other students will be considered cheating. You may not read notes or books while taking tests unless you have permission from your instructor. Homework is not a test therefore collaboration with your peers is permitted. If you are unclear as to what constitutes cheating, please consult with your instructor.
- **Equal opportunity and Students with a Disability:** The Department of Mathematics and Statistics encourages any student needing to request accommodations for a specific disability, to meet with their instructor at their earliest convenience, to ensure timely and appropriate accommodations.
- **Academic Success Services:** Your student fees cover usage of the
 - ★ **Math Center** (784-4433 or www.unr.edu/mathcenter/),
 - ★ **Tutoring Center** (784-6801 or www.unr.edu/tutoring/),
 - ★ **University Writing Center** (784-6030 or http://www.unr.edu/writing_center/).These centers support your classroom learning and it is highly advised that you take advantage of their services. Keep in mind that seeking help outside of class is the sign of a responsible and successful student.
- **Audio and Video Recording:** The following is new University policy: “Surreptitious or covert videotaping of class or unauthorized audio recording of class is prohibited by law and by Board of Regents policy. This class may be videotaped or audio recorded only with the written permission of the instructor. In order to accommodate students with disabilities, some students may be given permission to record class lectures and discussions. Therefore, students should understand that their comments during class may be recorded.”

(Tentative) schedule of classes and exams (Math182-1002) Spring 2019

	Monday	Tue	Wednesday	Thu	Friday
Jan	21 Martin Luther King Day	22	23 Intro & §5.3	24	25 §5.5
	28 §6.1	29	30 §6.2	31	1 §6.3
Feb	4 §7.8	5	6 §7.8	7	8 §11.1
	11 §11.1	12	13 §11.2	14	15 §11.2
	18 President's Day	19	20 §11.3	21	22 §11.4
	25 Midterm Exam 1	26	28 §11.5	28	1 §11.6
Mar	4 §11.8	5	6 §11.8	7	8 §11.9
	11 §11.9	12	13 §11.10	14	15 §11.10
	18 Spring break	19	20 Spring break	21	22 Spring break
	25 Midterm Exam 2	26	27 §8.1	28	29 §8.3
Apr	1 §8.3	2	3 §9.1	4	5 §9.2
	8 §9.3	9	10 §7.1	11	12 §7.1
	15 Midterm Exam 3	16	17 §7.2	18	19 §7.2
	22 §7.3	23	24 §7.3	25	26 §7.4
May	29 §7.4	30	1 §7.7	2	3 §7.7
	6 Review for Final Exam	7	8 Prep Day	9	10 Final Exam
	13	14	15		

Final exam: 12:10 – 2:10 p.m. Friday, May 10