College of Southern Nevada, Spring 2017
Math 182 – Calculus II – Section 3001
West Charleston Campus – Room K161 - TR 11:00AM - 12:50PM

Instructor: Christina (Tina) Hughes Martin
Office Location: West Charleston Campus, Building H, Room 101 J
Office Phone: 651-5687 (voicemail)
Office Fax: 651-5881
Email Address: tina.martin@csn.edu
Class Website: http://sites.csn.edu/thughes/math182/182overview.html

Office Hours:
Monday - 11:00AM to 12:20PM (at my office, WC Building H, Room 101-J)
Tuesday - 12:50PM to 1:50PM (at WC, Building K, Room 161)
Wednesday - 11:00AM to 12:20PM (at my office, WC Building H, Room 101-J)
Thursday - 9:30AM to 10:45AM (at WC Math Resource Center, Building K, Room 406)
Thursday - 12:50PM to 1:50PM (at WC, Building K, Room 161)
* I am available to meet at other times by appointment.

COURSE INFORMATION:

Textbook: University Calculus Elements with Early Transcendentals, by Hass, Weir, and Thomas,
1st Edition or 2nd Edition

Prerequisites: Successful completion of Math 181 with a C or better or equivalent or satisfactory ACT/SAT/Placement Test score is required for enrollment in this course.

Course Content and Objectives: This is the second semester course in calculus.
Topics include further applications and techniques of integration with applications, polynomial approximations, sequences, and series. By the end of the course, students should be able to:
1) Analyze differential equations
2) Evaluate solids of revolution and arc lengths
3) Perform integration techniques, such as integration by parts, trigonometric integrals, trigonometric substitution, partial fractions, and using tables
4) Analyze indeterminate forms and work with L'Hopital's Rule
5) Evaluate sequences, series, tests of convergence/divergence, and Taylor Polynomials
6) Find the slope of a tangent line to and arc length of a polar graph and a curve given by a set of parametric equations
7) Find the area of a surface of revolution (parametric and polar form)
8) Apply and extend all concepts

GRADING:

Grading Policy: Your grade will be determined by the amount of points you earn from a variety of assignments, including weekly homework assessments, group activities, exams, and a final. (See more detailed descriptions below.)
Points: Homework Assessments - 20 points each (only your 10 highest scores will count)
Exams - 200 points each
Final Exam - 200 points
Group Activities - 10 points each
Intro letter - 20 points

Grading Scale: I assign overall grades according to the traditional scale, using +/- grades where appropriate. Final grading decisions are left to the instructor.

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Additional Note Concerning Withdraw Grades: To withdraw from my class with a W grade, you must officially withdraw from the registrar by Friday, March 31st.

Overall Grading/Assignment Policies:
- All steps and work must be shown on all assessments and exams in order to receive credit. An answer alone is NOT enough to earn points.
- NO LATE assessments, assignments, or exams will be accepted.
- Work on assessments, assignments, and exams is expected to be your own.

CLASS ASSIGNMENTS:

(1) Introductory Letter – Your first assignment will be to write an introductory letter to me. This assignment is due on Tuesday, January 24th. Details concerning this letter will be handed out the first day of class. This assignment is worth a possible 20 points.

(2) Homework Assessments – Each week, there will be homework assessment to be turned in at the beginning of class. Each homework assessment will consist of problems chosen from your textbook (which will be graded for completeness - it is your job to check the answers with the back of the text) and supplemental problems (which will be graded for completeness and accuracy). All your steps must be shown in order for you to receive credit on your homework. I will hand out your weekly homework assessments in class the week before they are due. Each weekly homework assessment is worth a possible 20 points. Only your ten highest homework assessments will count towards your overall score.

(3) Collaborative Activities: We may have a few structured collaborative activities during our class. This group work will be graded and are worth 10 points each. You must be in class to receive the group work grade.

(4) Exams: You will have three exams during the semester. Each exam is worth 200 points. There will be NO make-up exams offered after the exam date. You may take an exam early, with instructor permission. Exams will be announced in the classroom at least one week prior to the scheduled date. The tentative exam dates are: 2/16, 3/23, and 4/20. NO CALCULATORS will be permitted during the exams. As with the homework assessments, all your steps must be shown on each exam in order for credit to be awarded.

(5) Final Exam: The final exam will be an in-class, comprehensive, proctored exam that covers material from the entire course. It is worth 200 points. NO make-up finals will be offered. No calculators will be permitted on the final exam. The final exam is scheduled for Thursday, May 11th.

***Special Note - Your final exam score may replace the lowest one of the following scores: Exam 1, Exam 2, Exam 3, or Homework Assessments. (A replacement will be made only if your final exam score is higher than your lowest score.)
OTHER RESPONSIBILITIES AND ADDITIONAL NOTES:

Conduct/Responsibilities:

- All work done for this course is to be your own.
- Cheating and scholastic dishonesty will not be tolerated. Dishonest work on an exam will result in a zero on that assignment. No exceptions. Furthermore, any cheating incidents will be reported to the Department Chair and/or Academic Dean.
- Please treat fellow classmates and the instructor with courtesy and respect.
- Be on time and attend all classes for the full duration.
- In the event that you find another student’s words, actions, or demeanor to be frightening or offensive, please inform the instructor.
- Class time is MATH TIME. Keep conversations limited to math, unless otherwise directed by the instructor.
- Please NO talking when the instructor is lecturing or when questions are being asked or answered by a fellow classmate.
- Cell phones should be silenced (turned off or put on vibrate) during class time.

Students’ Rights and Responsibilities: Students’ rights and responsibilities regarding behavior are outlined in the 2012-2013 general catalog. Students’ rights and responsibilities regarding academic dishonesty are outlined in the CSN academic integrity policy, which can be found at: http://www.csn.edu/pages/3342.asp

Attendance: Attendance is not required, however it is strongly encouraged. You are responsible for any assignments due or material covered, whether or not you attend class. This includes homework, collaborative activities, or exams. Remember, I do NOT accept late assignments nor do I give make-up exams.

Homework Help: In general, I do not go over homework problems during class time (unless a majority of the class asks for a particular problem to be done). I ask that you come to my office, stay after class, or email me with any individual homework questions you may have. I feel there is much more benefit to working homework problems in a one-on-one situation rather than in a large class, unless a majority of students are struggling with the same problem.

Math and Science Resource Centers and Tutoring: If you find yourself falling behind or are in need of extra assistance in your understanding of the material, please take advantage of tutoring offered through CSN’s Centers of Academic Success. In addition to one-on-one appointments, there are free walk-in Math Resource Centers on all three CSN campuses.

- West Charleston Math and Science Resource Center is in room K-406
- Henderson Math and Science Resource Center is in room C-119
- Cheyenne Math and Science Resource Center is in rooms S-2651

For more information regarding CSN’s Centers for Academic Success and the Math Resource Centers, please refer to the following sites:

- https://www.csn.edu/centers-academic-success
- https://www.csn.edu/math-science-resource-centers

Americans with Disabilities Act Statement: Students with medical, psychological, learning or other disabilities desiring academic adjustments, accommodations or auxiliary aids will need to contact a campus Disability Resource Center. Only the Disability Center determines eligibility for and authorizes the provision of services. The Disability Resource Center phone numbers are as follows: West Charleston Campus Disability Resource Center 651-5089, Cheyenne Campus Disability Resource Center 651-4045, Henderson Campus Disability Resource Center 651-3086.
**Academic Counseling/Advising:** The purpose of counselors and advisors is to help students select courses, complete degree audits, obtain transfer information, and provide personalized assistance in developing educational and vocational plans appropriate to personal interests and abilities of each student. Please refer to the following sites to obtain more information regarding academic counseling and advising:

- [https://www.csn.edu/academic-counseling](https://www.csn.edu/academic-counseling)
- [https://www.csn.edu/advising](https://www.csn.edu/advising)

**Safety and Security:** Please take note of all emergency exits near to the classroom. **NOTE:** In the event of a campus emergency, call: 702-651-7911. Information regarding CSN’s Police Department, including a link to the Emergency Notification System Alerts App, can be found at: [https://www.csn.edu/csn-police-department](https://www.csn.edu/csn-police-department)

**Academic Integrity:** The instructor assumes honesty on the part of all students. Cheating, plagiarism, and other acts of academic dishonesty are held as serious offenses. Instructors have the responsibility to report any such incident in writing to the administration. For more information about academic dishonesty and integrity, students should refer to CSN’s academic policies and procedures at the following site: [https://www.csn.edu/policies-procedures](https://www.csn.edu/policies-procedures)

**Suggestions for Success:**
- Seek help often and ask lots of questions.
- Spend some time everyday working on your math.
- Swap phone numbers and study together with classmates. (U.C. Berkley research has shown that students who study in groups tend to do better in math courses. **NO KIDDING**)!
- Listen to Mozart or other classical music before class and particularly before exams. (Research shows improved math ability after listening to classical music!)
- Keep a copy of this syllabus on file for easy reference.
- Maintain a positive attitude and have fun!
- Study, Study, Study!!!!

**TENTATIVE SCHEDULE:**

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<thead>
<tr>
<th>Date</th>
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<td>Jan 17</td>
<td>Introduction and Review</td>
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## Schedule

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### **NOTE**

Information contained in this syllabus, may be subject to change, as deemed appropriate by the instructor. In the event changes are made, you will be informed during class.

### FOR FUN AND INSPIRATION:

“A person who never made a mistake never tried anything new.”

~ Albert Einstein

“Man's greatness lies in his power of thought.”

~ Blaise Pascal

“However impenetrable it seems, if you don’t try it, then you can never do it.”

~ Andrew Wiles

“We are very, very small, but we are profoundly capable of very, very big things.”

~ Stephen Hawking

“Sometimes the questions are complicated and the answers are simple.”

~ Dr. Seuss

“If I were again beginning my studies, I would follow the advice of Plato and start with mathematics.”

~ Galileo Galilei

😊 “Black holes are where God divided by zero.” 😊

~ Albert Einstein
Syllabus Acknowledgement Form

Course: Math 182 - Calculus II
Section: 3001
Instructor: Christina Hughes Martin

I acknowledge that by signing below I have received and read the syllabus for the course indicated above. I have reviewed and understand the grading policy, the class assignments, and the course responsibilities. Furthermore, I am aware of how to reach my professor, including office location, office hours, and email, and I will contact Professor Christina Martin should I need help and/or clarification with understanding the course contents or procedures contained within this syllabus.

____________________________________
Print Name

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Sign Name

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Date