Central Connecticut State University
Math 221: Calculus II
Spring 2021
Syllabus

**Time:** TR 7:20 pm - 9:00 pm  
**Web Location:** Blackboard  
**Prerequisite:** MATH 152 (C- or higher).  
**Instructor:** Dr. Shijie Gu  
**Email:** sgu@ccsu.edu  
**Office hours:** MWF 4-5 pm TR 11-12 pm or by appointment

**TEXTBOOK**  
*Openstax Calculus Volume 1* https://openstax.org/details/books/calculus-volume-1  
Online homework system: Edfinity  
For students who want a physical copy of the book, you will have to order it elsewhere - it's all e-book for this semester.

**OBJECTIVES**  
The learning outcomes for the course are as follows:

- **Choose** and **apply** appropriate integration techniques  
- **Model** and **solve** problems including areas, volumes, arc lengths, surface areas, and work  
- **Determine** whether a series converges or diverges by selecting an appropriate convergence test and applying it  
- **Use** power series to represent functions and **create** Maclaurin and Taylor series for familiar transcendental functions  
- **Identify** and **graph** conic sections, including rotation of axes  
- **Sketch** graphs of parametric and polar equations, and **apply** derivatives and integrals in parametric and polar forms to solve problems including arc length and surface area

**CALCULATOR POLICY**  
Students will be required to provide their own calculators for this course. Any scientific calculator can be used for the required calculations. There will be no sharing of calculators during exams, and students **may not** use cellular phones, watches, iPads, tablets, computers, or other electronic devices as calculators during exams.

**GRADING CRITERIA**  
Edfinity Homework 15%  
Two midterm exams: 45%  
Final Exam: 40%
Final will be cumulative and is on all material covered during the semester. The final date is scheduled for Tuesday May 11 (7:45 pm – 9:45 pm online).

Midterm Exams date will be announced as the semester proceeds.

**GRADING SCALE**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>93-100</td>
</tr>
<tr>
<td>A-</td>
<td>90-92</td>
</tr>
<tr>
<td>B+</td>
<td>87-89</td>
</tr>
<tr>
<td>B</td>
<td>83-86</td>
</tr>
<tr>
<td>B-</td>
<td>80-82</td>
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<tr>
<td>C+</td>
<td>77-79</td>
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<tr>
<td>C</td>
<td>73-76</td>
</tr>
<tr>
<td>C-</td>
<td>70-72</td>
</tr>
<tr>
<td>D+</td>
<td>67-69</td>
</tr>
<tr>
<td>D</td>
<td>60-66</td>
</tr>
<tr>
<td>F</td>
<td>Below 60</td>
</tr>
</tbody>
</table>

**RESOURCES AVAILABLE**

1. If you need help, take advantage of your instructor's office hours. Do not wait until just before an exam to do so!
2. The Learning Center [https://web.ccsu.edu/tlc/?redirected](https://web.ccsu.edu/tlc/?redirected). Free virtual tutoring is available. A schedule for hours of the Center is open will be posted soon after the beginning of the semester.
3. Form a study group with other students in your section. Explaining solutions to homework problems to each other is an efficient way to learn.
4. A list of private tutors for hire is available in the math department office, Room 128, Marcus White, (860)832-2835.

**ACADEMIC INTEGRITY**

All students are expected to demonstrate integrity in the completion of their coursework. Academic integrity means doing one's own work and giving proper credit to the work and ideas of others. It is the responsibility of each student to become familiar with what constitutes academic dishonesty and plagiarism and to avoid all forms of cheating and plagiarism. Students who engage in plagiarism and other forms of academic misconduct will face academic and possibly disciplinary consequences. Academic sanctions can range from a reduced grade for the assignment to a failing grade for the course. From a disciplinary standpoint, an Academic Misconduct Report may be filed and a Faculty Hearing Board may impose sanctions such as probation, suspension or expulsion. For further information on academic misconduct and its consequences, please consult the Student Code of Conduct ([http://www.ccsu.edu/StudentConduct/codeofconduct.asp](http://www.ccsu.edu/StudentConduct/codeofconduct.asp)) and the Academic Misconduct Policy ([http://www.ccsu.edu/AcademicIntegrity/](http://www.ccsu.edu/AcademicIntegrity/)).
COURSE ACCOMMODATIONS POLICY
If you are a student with a documented disability, and would like to request academic accommodations, you are encouraged to contact Student Disability Services (SDS) at 860-832-1952, or email disabilityservices@ccsu.edu. Please visit the SDS website at http://www.ccsu.edu/sds/ to download an Intake form and documentation requirements. Temporary impairments may also qualify for accommodations. Central Connecticut State University provides reasonable accommodations in accordance with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act for students with documented disabilities on an individualized basis.

I will need a copy of the accommodation letter from Student Disability Services in order to arrange your class accommodations.

COURSE WITHDRAWAL POLICY
The last day to drop a course without “W” is February 16. The last day to withdraw from a course is April 19. Approvals for withdrawal are not required; however, it is strongly recommended that students consult with their instructor and academic advisor prior to deciding to withdraw. Cessation of attendance, notice to the instructor, or telephone calls to the Enrollment Center are not considered official notice of a student's intention to drop the course.

Beginning on April 19, withdrawals are allowed only under extenuating circumstances and require approval of the course instructor and of the Chair of the Department of Mathematical Sciences. Poor academic performance is not considered an extenuating circumstance.

STATEMENT ON DISCRIMINATION AND HARASSMENT
Central Connecticut State University strives to maintain our campus as a place of work and study for faculty, staff, and students that is free of all forms of prohibited discrimination and harassment based upon age; ancestry, color; gender identity and expression; intellectual disability; learning disability; mental disorder; physical disability; marital status, national origin; race; religious creed; sex, (including pregnancy, transgender status, sexual harassment and sexual assault); sexual orientation; or any other status protected by federal or state laws. Any student who has concerns about should contact the Office of Equity & Inclusion (OEI) at 860-832-1652, Student Affairs at 860-832-1601, or their faculty member. The OEI is located on the main floor of Davidson Hall, room 119.

Sexual Misconduct, Intimate Partner Violence and Stalking
Central Connecticut State University (CCSU) will not tolerate sexual misconduct against students, staff, faculty, or visitors in any form, including but not limited to: sexual assault, sexual exploitation, sexual harassment or stalking, as defined in CCSU policies. For additional information, please consult the CCSU policy at https://www.ccsu.edu/diversity/policies/index.html. All faculty members and staff have a duty to report incidents of sexual harassment including sexual misconduct, intimate partner
violence and stalking to Pamela Whitley, Title IX Officer, Office of Equity & Inclusion, Davidson Hall, 119.

To file a report, contact: Equity & Inclusion (860-832-1652), Student Conduct (860-832-1667) or Student Affairs (860-832-1601). For criminal complaints, contact the University Police (860-832-2375).

For support and advocacy, contact: Office of Victim Advocacy at 860-832-3795 or jflanagan@ccsu.edu; Student Wellness Services at 860-832-1945 (confidential); Women’s Center at 860-832-1655; the local YWCA’s Sexual Assault Crisis Services Hotline at 860-223-1787 (confidential) and Prudence Crandall Center for Domestic Violence (confidential) at 888-774-2900 (24-hour hotline).