1 Course Information

1.1 Professor Information

- Dr. Ryan Jensen
- Mathematics Department
- Email: jensenrj@sfasu.edu
- Website: http://faculty.sfasu.edu/jensenrj/
- Course Website: http://faculty.sfasu.edu/jensenrj/teaching/calc2/
- Office: Zoom
- Zoom Office Hours: 10:00am MTWRF

1.2 Classroom

- Recorded lectures and zoom office hours, a zoom link will be available on D2L.

1.3 Course Description

4 semester hours. Applications and techniques of integration, improper integrals, infinite series and power series. Prerequisite: MTH 233.

1.4 Required Material

Textbook The required textbook and online homework system found at http://www2.sfasu.edu/math/books.html under MTH 243.

Calculator A non-graphing, non-programmable, non-Internet capable scientific calculator is required for exams.

Internet This is an online course with video lectures, zoom office hours, and online labs. As such a high speed reliable Internet connection is required.

Web-cam or Smart Phone In order to attend office hours, you will need access to zoom, including a smart phone or web-cam.

Scan to PDF Software Exams must be submitted on D2L in pdf format, so a scanner of some type is required. Smart phone scans are ok, and recommend software can be found at https://acrobat.adobe.com/us/en/mobile/scanner-app.html.
1.5 Course Calendar

The schedule for the course can be found on the course website.

<table>
<thead>
<tr>
<th>Exam</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Midterm</td>
<td>July 20 2020</td>
</tr>
<tr>
<td>Final</td>
<td>August 07 2020</td>
</tr>
</tbody>
</table>

1.6 Course Requirements

1.6.1 Class Attendance and Participation

Students are expected to watch all class videos, do all assigned homework, and if needed, attend scheduled office hours (times shown above).

1.6.2 Preparing for Class

Students which are adequately prepared for the class should expect to spend a minimum of three hours of work outside of class for each credit hour. In a normal semester this is 24 hours per week for Math 234; in summer this is even more since we are on an accelerated schedule I would suggest setting aside around 30-40 hours per week for this course. I cannot recommend taking more than Calculus II during a summer term. The time out of class can be used in reading the text, practicing examples, working homework exercises, etc. A minimal time commitment is likely to lead to a final grade of a C. More time may be required to achieve excellence. Material to be discussed in class should be read before coming to class. Check your university email, D2L, and the course website regularly, as I may send reminders, assignments, or announcements.

1.6.3 Homework

Homework will be assigned online and is generally due the following Monday.

1.6.4 Midterm Exam

The midterm will be July 20th and cover chapters 5 and 7.

1.6.5 Comprehensive Final Exam

The final is August 7th and will emphasize material not yet examined, but will be comprehensive.

1.7 Grading

1.7.1 Grading Policy

<table>
<thead>
<tr>
<th>Category</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework</td>
<td>20%</td>
</tr>
<tr>
<td>Midterm</td>
<td>15%</td>
</tr>
<tr>
<td>Labs</td>
<td>15%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>50%</td>
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</tbody>
</table>

1.7.2 Grading Scale

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90%-100%</td>
</tr>
<tr>
<td>B</td>
<td>80%-90%</td>
</tr>
<tr>
<td>C</td>
<td>70%-80%</td>
</tr>
<tr>
<td>D</td>
<td>60%-70%</td>
</tr>
<tr>
<td>F</td>
<td>0%-60%</td>
</tr>
</tbody>
</table>
2 Other Information

2.1 Program Learning Outcomes (PLO)

Students graduating from SFASU with a B.S. Degree and a major in mathematics will:

1. Demonstrate comprehension of core mathematical concepts. [Concepts] (notion of theorem, mathematical proof, logical argument)
2. Execute mathematical procedures accurately, appropriately, and efficiently. [Skills] (calculus, algebra, routine, nonroutine, applied)
3. Apply principles of logic to develop and analyze conjectures and proofs. [Logical Reasoning] (quantifiers, breaking down mathematical statements, counterexamples)
4. Demonstrate competence in using various mathematical tools, including technology, to formulate, represent, and solve problems. [Problem Solving] (calculus tools, algebra tools, applied tools, nonstandard problem solving)
5. Demonstrate proficiency in communicating mathematics in a format appropriate to expected audiences. [Communication] (written, visual, oral)

2.2 Academic Integrity (Policy A-9.1)

Academic integrity is a responsibility of all university faculty and students. Faculty members promote academic integrity in multiple ways including instruction on the components of academic honesty, as well as abiding by university policy on penalties for cheating and plagiarism. The penalty for a student found cheating on any part of an assignment, quiz, or exam in this class will range from a grade of zero on the work to a grade of F in the course, and may result in additional, more severe disciplinary measures. A student who allows another to copy his work and the student copying the work are both guilty of cheating. Do your own work. Do not show your completed work to others. Do not allow others to copy your work.

2.3 Definition of Academic Dishonesty

Academic dishonesty includes both cheating and plagiarism. Cheating includes but is not limited to (1) using or attempting to use unauthorized materials to aid in achieving a better grade on a component of a class; (2) the falsification or invention of any information, including citations, on an assigned exercise; and/or (3) helping or attempting to help another in an act of cheating or plagiarism. Plagiarism is presenting the words or ideas of another person as if they were your own. Examples of plagiarism are (1) submitting an assignment as if it were one’s own work when, in fact, it is at least partly the work of another; (2) submitting a work that has been purchased or otherwise obtained from an Internet source or another source; and (3) incorporating the words or ideas of an author into one’s paper without giving the author due credit. Please read the complete policy at http://www.sfasu.edu/policies/4.1-student-academic-dishonesty.pdf.

2.4 Withheld Grades Semester Grades Policy (A-54)

Ordinarily, at the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the course work because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future terms the WH will automatically become an F and will be counted as a repeated course for the purpose of computing the grade point average. The circumstances precipitating the request must have occurred after the last day in which a student could withdraw from a course. Students requesting a WH must be passing the course with a minimum projected grade of C.
2.5 Students with Disabilities

To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, and Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services in a timely manner may delay your accommodations. For additional information, go to http://www.sfasu.edu/disabilityservices.

2.6 Acceptable Student Behavior

Classroom behavior should not interfere with the instructor’s ability to conduct the class or the ability of other students to learn from the instructional program (see the Student Conduct Code, policy D-34.1 http://www.sfasu.edu/policies/student-code-of-conduct-10.4.pdf). Unacceptable or disruptive behavior will not be tolerated. Students who disrupt the learning environment may be asked to leave class and may be subject to judicial, academic or other penalties. This prohibition applies to all instructional forums, including electronic, classroom, labs, discussion groups, field trips, etc. The instructor shall have full discretion over what behavior is appropriate/inappropriate in the classroom. Students who do not attend class regularly or who perform poorly on class projects/exams may be referred to the Early Alert Program. This program provides students with recommendations for resources or other assistance that is available to help SFA students succeed.
Schedule
Math 234 Fall 2018
Ryan Jensen
May 20, 2020

Contents

Exams

TODO Midterm: §5.1-§5.9, §7.1-§7.9
DEADLINE: <2020-07-20 Mon> SCHEDULED: <2020-07-20 Mon>

TODO Final: Emphasis on untested material, but comprehensive
DEADLINE: <2020-08-07 Fri> SCHEDULED: <2020-07-20 Mon>

Sections
The following is subject to change as the course progresses. The course web-site regularly for updates.

TODO Syllabus
DEADLINE: <2020-07-08 Wed> SCHEDULED: <2020-07-07 Tue>

TODO §5.1
Read this section. SCHEDULED: <2020-07-07 Tue> DEADLINE: <2020-07-13 Mon>

TODO §5.2
3,7,9,11,13,15,17,18,35,37,39,43,45 SCHEDULED: <2020-07-07 Tue> DEADLINE: <2020-07-13 Mon>

TODO §5.3
3,5,7,9,17,21,41,47,51,55,59,63,65 SCHEDULED: <2020-07-08 Wed> DEADLINE: <2020-07-13 Mon>

TODO §5.4
7,9,13,17,21,25,33,39,43,49,51,55 SCHEDULED: <2020-07-08 Wed> DEADLINE: <2020-07-13 Mon>
TODO §5.5
3,5,7,9,11,17,21,25,27 SCHEDULED: <2020-07-08 Wed> DEADLINE: <2020-07-13 Mon>

TODO §5.7

TODO §7.1
1,3,5,7,9,11,13,15,19,47,55, either 58&59 or 60&61 SCHEDULED: <2020-07-09 Thu> DEADLINE: <2020-07-13 Mon>

TODO §7.2
1,3,11,13,23,27,29,49,51,53 SCHEDULED: <2020-07-09 Thu> DEADLINE: <2020-07-13 Mon>

TODO §7.3
5,9,11,15,17,19,23,25,31,37,39 SCHEDULED: <2020-07-13 Mon> DEADLINE: <2020-07-20 Mon>

TODO §7.4
1,3,5,7,9,13,15,17,25,33 SCHEDULED: <2020-07-13 Mon> DEADLINE: <2020-07-20 Mon>

TODO §7.5
5,9,11,15,17,19,21,27,29,35,39 SCHEDULED: <2020-07-14 Tue> DEADLINE: <2020-07-20 Mon>

TODO §7.6
1,3,5,7,9,11,13,17,23,27,35,37,47,58 SCHEDULED: <2020-07-14 Tue> DEADLINE: <2020-07-20 Mon>

TODO §7.7
1,5,7,9,13,19,21,23,25,29,37,45,47,53,61,67,71 SCHEDULED: <2020-07-15 Wed> DEADLINE: <2020-07-20 Mon>

TODO §7.8
1,3,5,7,9 SCHEDULED: <2020-07-15 Wed> DEADLINE: <2020-07-20 Mon>

TODO §7.9
DEADLINE: <2020-07-20 Mon> SCHEDULED: <2020-07-16 Thu>

TODO §6.1
1,3,5,13,17,19,21,23,25,31,35,39 SCHEDULED: <2020-07-21 Tue> DEADLINE: <2020-07-27 Mon>

TODO §6.2
1,4,5,7,9,13,19,27,33,39,41,45,47 SCHEDULED: <2020-07-21 Tue> DEADLINE: <2020-07-27 Mon>
TODO §6.3
3,5,7,9,11,12,15,17,19,21,39,49 SCHEDULED: <2020-07-22 Wed> DEADLINE: <2020-07-27 Mon>

TODO §6.4
1,3,5,7,9,11,15,21,23,29,41,43,45,53 SCHEDULED: <2020-07-22 Wed> DEADLINE: <2020-07-27 Mon>

TODO §6.5
1,3,5,7,11,17,19 SCHEDULED: <2020-07-23 Thu> DEADLINE: <2020-07-27 Mon>

TODO §8.1
1,3,5,7,9,11,13,19,21,22,35,37,49 SCHEDULED: <2020-07-23 Thu> DEADLINE: <2020-07-27 Mon>

TODO §8.2
1,3,5,7,9,11,15 SCHEDULED: <2020-07-27 Mon> DEADLINE: <2020-08-03 Mon>

TODO §8.3
1,5,7,11,13,15 SCHEDULED: <2020-07-27 Mon> DEADLINE: <2020-08-03 Mon>

TODO §10.1
3,5,7,9,11,13,15,17,19,21,25,27,29,31,33,37,43,49,53,61,63,65,67,72,75,77 SCHEDULED: <2020-07-28 Tue> DEADLINE: <2020-08-03 Mon>

TODO §10.2
1,2,3,6,7,9,11,15,17,19,21,23,27,29,33,37,39,43,47 SCHEDULED: <2020-07-28 Tue> DEADLINE: <2020-08-03 Mon>

TODO §10.3
1,3,5,9,11,15,17,19,23,27,37,39,41,43,49,53,55,59,71 SCHEDULED: <2020-07-29 Wed> DEADLINE: <2020-08-03 Mon>

TODO §10.4
1,2,3,5,7,9,11,13,17,19,23,25,33 SCHEDULED: <2020-07-29 Wed> DEADLINE: <2020-08-03 Mon>

TODO §10.5
1,3,5,7,15,19,21,23,25,43,45,47,49,51,61 SCHEDULED: <2020-07-30 Thu> DEADLINE: <2020-08-03 Mon>

TODO §10.6
3,7,9,11,13,15,19,23,29,35,37,39,45 SCHEDULED: <2020-07-30 Thu> DEADLINE: <2020-08-03 Mon>

TODO §10.7
1,3,5,7,9,11,13,15,19,21,29,31,34,39,42,47 SCHEDULED: <2020-08-03 Mon> DEADLINE: <2020-08-07 Fri>
TODO §11.1
DEADLINE: <2020-08-07 Fri> SCHEDULED: <2020-08-03 Mon>

TODO §11.2
DEADLINE: <2020-08-07 Fri> SCHEDULED: <2020-08-04 Tue>

TODO §11.3
DEADLINE: <2020-08-07 Fri> SCHEDULED: <2020-08-04 Tue>

TODO §11.4
DEADLINE: <2020-08-07 Fri> SCHEDULED: <2020-08-05 Wed>

Labs
Lab 0
This lab is worth no points, it is just to get you setup and used to how labs will be run. SCHEDULED: <2020-07-07 Tue> DEADLINE: <2020-07-09 Thu>

Lab 1
DEADLINE: <2020-07-13 Mon> SCHEDULED: <2020-07-10 Fri>

Lab 2
DEADLINE: <2020-07-13 Mon> SCHEDULED: <2020-07-10 Fri>

Lab 3
DEADLINE: <2020-07-20 Mon> SCHEDULED: <2020-07-17 Fri>

Lab 4
DEADLINE: <2020-07-20 Mon> SCHEDULED: <2020-07-17 Fri>

Lab 5
DEADLINE: <2020-07-27 Mon> SCHEDULED: <2020-07-24 Fri>

Lab 6
DEADLINE: <2020-07-27 Mon> SCHEDULED: <2020-07-24 Fri>
Lab 7
DEADLINE: <2020-08-03 Mon> SCHEDULED: <2020-07-31 Fri>

Lab 8
DEADLINE: <2020-07-31 Fri> SCHEDULED: <2020-08-03 Mon>

Lab 9
DEADLINE: <2020-08-07 Fri> SCHEDULED: <2020-08-05 Wed>

Lab 10
DEADLINE: <2020-08-07 Fri> SCHEDULED: <2020-08-05 Wed>