Department of Mathematics and Statistics
MATH 2313.001 and 2313.003 — Calculus I
Fall 2020, August 24 – December 11

Name: Jonathan Mitchell PhD.
Email: mitchelljonat@sfasu.edu
YouTube Channel: www.youtube.com/MathDoctorMitchell
Zoom Personal Meeting Room: https://sfasu.zoom.us/my/drmitchellsfa
Phone: 936-468-1606
Office: Bush Math Building, Room 352
Office Hours: MWF 10 – 11am, TTh 8 – 9am (or by appointment)

Class meeting time and place:
MATH 2313.001: MWF 9-9:50AM, Rm 358; 2113.001: Thurs 2-3:15pm, Rm 359
MATH 2313.003: MWF 11-11:50AM, Rm 203; 2113.003: Tues 12:30-1:45pm, Rm 359

Course Description: 4 semester hours. Limits, continuity, differential calculus of algebraic and transcendental functions with applications, basic antidifferentiation with substitution and definite integrals.

Text and Materials
- **Book**: The required textbook is *Calculus: Early Transcendentals*, 3rd edition, by Rogawski and Adams W. H. Freeman Publishing. ISBN 9781464114885
- **Calculator**: No graphing calculators will be allowed. You may use a non-graphing calculator (such as the recommended TI 30-XS Multiview). However, it is possible that all calculators will be prohibited during exams.

Course Requirements
- **No cell phone or device**: When you arrive to class, put your cell phone on silent (or turn off) unless told otherwise. Before any quiz or exam put away all smart watches.
- **Homework** — assigned exercises from the textbook for each major topic in the course are to be worked by hand with pencil and paper.
- **Concept Check** — following an assigned reading, you will have Concept Checks (Brightspace Quizzes) to ensure you have done the reading and understand a particular concept within the reading. At times, successful completion of a Concept Check will release specific instructional content.
- **Quizzes** — We will have periodic in-class activities, quizzes, and group projects. Quizzes will be assessed and should reflect whether you are doing the assigned HW or not.
- **Three exams** — If a student must miss an exam due to an excused absence, special arrangements should be made at least 48 hours before the exam day. Exams are to be taken in person or synchronously via zoom with webcam (or phone).
- **A cumulative final exam** — The final exam schedule is here. This exam is not comprehensive (which means all-encompassing, including everything), but cumulative (which includes new and (some) old material). See the Final Exam Topics document (available about 1 week before the final).
- **Class participation** — Students are expected to participate and actively engage in the material we cover. This can be demonstrated by asking questions, arriving on time (in person or via zoom), behaving professionally, submitting completed assignments clearly and punctually, etc.
- **Preparing for class** — Students should be prepared to invest several hours per day outside of and during class reading the text, practicing examples, and working homework exercises. Check your @jacks email and Brightspace (D2L) daily, as I may send reminders, assignments, or announcements.
Grading Policy: Your numerical grade is a weighted average comprised of the following components

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Percentage</th>
<th>Component</th>
<th>Percentage</th>
<th>Grading Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam 1 (CH 2)</td>
<td>16%</td>
<td>Participation</td>
<td>3%</td>
<td></td>
</tr>
<tr>
<td>Exam 2 (CH 3)</td>
<td>18%</td>
<td>Concept Check</td>
<td>3%</td>
<td>90%-100%</td>
</tr>
<tr>
<td>Exam 3 (CH 4)</td>
<td>20%</td>
<td>HW/Quiz</td>
<td>10%</td>
<td>80%-90%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>25%</td>
<td>Lab Projects</td>
<td>5%</td>
<td>70%-80%</td>
</tr>
</tbody>
</table>

Attendance (Class Participation) Policy

Students are expected to actively participate in class. Because this course is going to be a combination of face-to-face and remote access, here are three general (and overlapping) paths by which students can demonstrate their participation. (1) the student should show up to class on time and engage in the discussion by asking questions, writing notes, and working relevant exercises without being a distraction to others. (2) the student will log into the live-stream via zoom and engage with the discussion by voicing questions and/or the “chat” feature. (3) the student will need to demonstrate active participation other ways, including but not limited to emailing the instructor questions, submitting documents clearly, punctually, and professionally to the appropriate dropbox, attending (possibly virtual) office hours, etc.

COVID-19 MASK POLICY

Masks (cloth face coverings) must be worn over the nose and mouth at all times in this class and appropriate physical distancing must be observed. Students not wearing a mask and/or not observing appropriate physical distancing may be asked to leave the class. All incidents of not wearing a mask and/or not observing appropriate physical distancing will be reported to the Office of Student Rights and Responsibilities. Students who are reported for multiple infractions of not wearing a mask and/or not observing appropriate physical distancing may be subject to disciplinary actions.

The following is an excerpt from SFA Policy 5.4:

The federal definition of a credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates:

1. Not less than one hour of classroom or direct faculty instruction and a minimum of two hours out-of-class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or 10 to 12 weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time, or;
2. At least an equivalent amount of work as outlined in item 1 above for other academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

To this end, all students in courses offered by the Department of Mathematics and Statistics that wish to be successful should plan to spend a minimum of two hours outside of class for every credit hour associated with this course. Expected activities are to be completed in the time outside of class include reviewing notes from previous class meetings, reading assigned course resources, completing all assigned exercises and projects, and performing periodic assessment preparation.

See http://www2.sfasu.edu/math/docs/syllabi/MTH233Syllabus.pdf for elements common to all sections.