Syllabus
Fall Semester, 2015
MATH 1634, Calculus I
TR, 8:00–9:20 AM
F, 8:00–8:52 AM
Boyd Building, Room 307


Instructor:  Dr. Mark Faucette

Office:  Boyd Building 323

Phone:  My office phone number is 678-839-4133. Call and leave a message on my answering machine. I screen my phone calls, so make sure you leave a message.

E-Mail:  My e-mail address is faucette@westga.edu.

The Web:  My web page is at URL: http://www.westga.edu/~faucette/. The full course syllabus is located on my web site and can be downloaded as a pdf file. It is the student’s responsibility to download and/or to print the syllabus and to follow it.

Office Hours:  My office hours are

• TR: 12:00–2:00 PM
• F: 9:00–11:00 AM, 12:00–2:00 PM

I do not hold office hours during final exam week.

Required Equipment:  The following is required for this course:

• A graphing calculator is required for this course. The TI-83 plus is recommended, but any comparable graphing calculator is acceptable.

Common Language for Course Syllabi:  Students, please carefully review the following information at the link

http://www.westga.edu/assetsDept/vpaa/Common_Language_for_Course_Syllabi.pdf.

It contains important material pertaining to your rights and responsibilities in this class. Because these statements are updated as federal, state, university, and accreditation standards change, you should review the information each semester.

Grading Policy

Participation (10%)  Your participation in class will count ten percent of your grade.

Tests (60%)  There will be four tests, each counting fifteen percent of your grade.

Final Examination (30%)  There will be one comprehensive final examination counting thirty percent of your grade.
Expectations

Attendance and Classroom Decorum: You are expected to attend class every class period. Class time is at a premium, so it is imperative that it be used wisely. You are not allowed to come to class late or to leave early. You may not converse with other students during class time without my permission. I will allow some time for questions at appropriate points during the lecture, but you may not interrupt the lecture with questions. If you disrupt the educational atmosphere of the class, I will ask you to leave. If you miss class for any reason, it is your responsibility to get the lecture notes from a classmate, read the text, and do the homework.

Technology: With the exception of the calculator required above, all technology is banned from the classroom. This includes, but is not limited to, all iPads, iPods, cell phones, and laptop computers. While you are in class, I expect you to pay attention to the lecture and to take notes with pen or pencil and paper. If you are found to have an item of technology within view during class, you will be asked to leave class.

Office Hour Regulations: In order for me to utilize my time more wisely, I require students to make appointments to see me during office hours. Appointment sheets are posted by my office door and you must sign up for an appointment at least one day in advance. During your appointment you will have my complete and undivided attention. I do not provide individualized instruction during office hours.

Course Content: The course will cover the topics listed on the attached lecture schedule.

Reading Assignments: You are responsible for reading and understanding the text before it is covered in class through lecture. The lectures during class time will supplement, not replace, the reading of the text. Since class time is limited, only a limited number of examples can be given in class. You can find a large number of examples worked completely in the text. If you are diligent, you will find these examples a great help in completing the homework assignments and earning a satisfactory grade at the end of the semester.

Lecture: The primary method of classroom instruction will be by lecture during class time. The class time will be divided between lectures on new material, working problems at the board, and assessment. It is extremely important that you attend class regularly. You are responsible for all the material presented in the lectures, regardless of attendance. If needed, students can obtain supplementary assistance from the Mathematics Tutoring Center.

Extra Credit: There is no extra credit for any reason. All points must be earned on the attendance, homework, quizzes, tests, and the final examination. I do not "curve" scores. That, too, is extra credit. You get the points you earn.

Make-Up Work: There are no make-up grades for any reason. Students having an absence for any reason on the day homework or a quiz is due must must complete that assignment on time online. Students having an unexcused absence on the day of a test will receive a grade of zero for that test. Students having an excused absence on the day of a test will have their test average entered for the missed grade. This may only be done once. Absences must be excused before they occur except in extraordinary cases, such as active military duty, jury duty, or hospitalization. Being sick, short of being hospitalized, is not an excuse. If you anticipate being absent from class for a religious holiday, it is your responsibility to notify me in advance.

Homework: It is absolutely essential for you to do the homework in order to learn the material. Homework is assigned from the text book from each section covered. You are expected to do all the homework in a timely manner.
Quizzes: There will be quizzes administered without warning periodically covering the assigned homework. It is your responsibility to be in class to take these and to have completed the homework.

Tests: There will be four tests administered on Friday, September 11; Friday, October 9; Friday, November 6; and Friday, December 4. You will need your calculator for each test.

Midterm: The last day to withdraw with a W is Wednesday, October 14.

Final Examination: There will be a comprehensive final examination administered on Tuesday, December 8, from 8:00 AM to 10:30 AM in room 307 in the Boyd Building. You will need your calculator for the final examination.
MATH 1634 Lecture Schedule

Tuesday, August 25
Thursday, August 27
Friday, August 28
Tuesday, September 1
Thursday, September 3
Friday, September 4
Tuesday, September 8
Thursday, September 10
Friday, September 11
Tuesday, September 15
Thursday, September 17
Friday, September 18
Tuesday, September 22
Thursday, September 24
Friday, September 25
Tuesday, September 29
Thursday, October 1
Friday, October 2
Tuesday, October 6
Thursday, October 8
Friday, October 9
Tuesday, October 13
Thursday, October 15
Friday, October 16
Tuesday, October 20
Thursday, October 22
Friday, October 23
Tuesday, October 27
Thursday, October 20
Friday, October 30
Tuesday, November 3
Thursday, November 5
Friday, November 6

Section 2.1
Section 2.2
Section 2.3
Section 2.4
Section 2.5
Section 2.6
Section 2.7
Section 2.8
Test 1
Section 3.1
Section 3.2
Section 3.3
Section 3.4
Section 3.5
Section 3.6
Section 3.7
Section 3.8
Section 3.9
Section 3.9
Section 3.10
Test 2
Section 4.1
Section 4.2
Section 4.3
Section 4.4
Section 4.5
Section 4.6
Section 4.7
Section 4.7
Section 4.8
Section 4.9
Section 4.9
Test 3
<table>
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<tr>
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<tbody>
<tr>
<td>Tuesday, November 10</td>
<td>Section 5.1</td>
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<tr>
<td>Thursday, November 12</td>
<td>Section 5.2</td>
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<tr>
<td>Friday, November 13</td>
<td>Section 6.2</td>
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<td>Tuesday, November 17</td>
<td>Section 5.3</td>
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<td>Thursday, November 19</td>
<td>Section 5.3</td>
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<td>Section 5.4</td>
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<td>Tuesday, November 24</td>
<td>Sections 5.4 &amp; 5.5</td>
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<td>Thursday, November 26</td>
<td>Section 5.5</td>
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<td>Test 4</td>
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<td>Tuesday, December 1</td>
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<td>Thursday, December 3</td>
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## MATH 1634 Assignment Sheet

<table>
<thead>
<tr>
<th>Section</th>
<th>Pages</th>
<th>Problems</th>
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<td>2.1</td>
<td>p. 86</td>
<td>#1–8</td>
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<td>2.2</td>
<td>pp. 96–98</td>
<td>#1–37 odd</td>
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<td>2.3</td>
<td>pp. 106–108</td>
<td>#1–63 odd</td>
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<td>2.4</td>
<td>pp. 116–118</td>
<td>#1–9, 23, 24</td>
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<td>2.5</td>
<td>pp. 127–130</td>
<td>#1–39 odd, #51–59 odd</td>
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<td>2.6</td>
<td>pp. 140–143</td>
<td>#1–45 odd</td>
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<td>2.7</td>
<td>pp. 150–153</td>
<td>#1–51 odd</td>
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<td>2.8</td>
<td>pp. 162–165</td>
<td>#1–59 odd</td>
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<td>3.1</td>
<td>pp. 181–183</td>
<td>#1–61 odd</td>
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<td>3.2</td>
<td>pp. 189–191</td>
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<td>3.3</td>
<td>pp. 197–198</td>
<td>#1–43 odd</td>
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<td>pp. 205–208</td>
<td>#1–85 odd</td>
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<td>#1–19 odd</td>
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<td>pp. 248–250</td>
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<td>3.11</td>
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<td>pp. 324–325</td>
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<td>pp. 331–338</td>
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<td>4.8</td>
<td>pp. 342–343</td>
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<td>pp. 348–350</td>
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<td>pp. 394–397</td>
<td>#1–43 odd</td>
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<td>5.4</td>
<td>pp. 403–406</td>
<td>#1–63 odd</td>
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<tr>
<td>5.5</td>
<td>pp. 413–415</td>
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Academic Honesty
Prohibited Conduct

The penalty for violating this policy is failure in the course.

General standard of conduct: No student shall knowingly perform, attempt to perform, or assist another in performing any act of dishonesty on academic work to be submitted for academic credit or advancement. The term “knowledgeably,” as used in the preceding sentence, means that the student knows that the academic work involved will be submitted for academic advancement. “Knowledgeingly” does not mean that the student must have known that the particular act was a violation of the University’s academic honesty policy. A student does not have to intend to violate the honesty policy to be found in violation. For example, plagiarism, intended or unintended, is a violation of this policy.

Examples of Academic Dishonesty: The following acts by a student are examples of academically dishonest behavior:

I. Plagiarism - Submission for academic advancement the words, ideas, opinions or theories of another that are not common knowledge, without appropriate attribution to that other person. Plagiarism includes, but is not limited to, the following acts when performed without appropriate attribution:
   A. Directly quoting all or part of another person’s written or spoken words without quotation marks, as appropriate to the discipline;
   B. Paraphrasing all or part of another person’s written or spoken words without notes or documentation within the body of the work;
   C. Presenting an idea, theory or formula originated by another person as the original work of the person submitting that work;
   D. Repeating information, such as statistics or demographics, which is not common knowledge and which was originally compiled by another person;
   E. Purchasing (or receiving in any other manner) a term paper or other assignment that is the work of another person and submitting that term paper or other assignment as the student’s own work.

II. Unauthorized assistance - Giving or receiving assistance in connection with any examination or other academic work that has not been authorized by a faculty member. During examinations, quizzes, lab work, and similar activity, students are to assume that any assistance (such as books, notes, calculators, and conversations with others) is unauthorized unless it has been specifically authorized by a faculty member. Examples of prohibited behavior include, but are not limited to the following when not authorized:
   A. Copying, or allowing another to copy, answers to an examination;
   B. Transmitting or receiving, during an examination, information that is within the scope of the material to be covered by that examination (including transmission orally, in writing, by sign, electronic signal, or other manner);
   C. Giving or receiving answers to an examination scheduled for a later time;

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1The content of this page is taken from the document Academic Honesty Policy (A Culture of Honesty), Section 5, The University of Georgia.
D. Completing for another, or allowing another to complete for you, all or part of an assignment (such as a paper, exercise, homework assignment, presentation, report, computer application, laboratory experiment, or computation);

E. Submitting a group assignment, or allowing that assignment to be submitted, representing that the project is the work of all of the members of the group when less than all of the group members assisted substantially in its preparation;

F. Unauthorized use of a programmable calculator or other electronic device.

III. Lying/Tampering/Bribery - Bribery or giving any false information in connection with the performance of any academic work or in connection with any proceeding under this policy. This includes, but is not limited to:

A. Giving false reasons (in advance or after the fact) for failure to complete academic work. This includes, for example, giving false excuses to the Faculty Member or to any University official for failure to attend an exam or to complete academic work;

B. Falsifying the results of any laboratory or experimental work or fabricating any data or information;

C. Altering any academic work after it has been submitted, unless such alterations are part of an assignment (such as a request of an instructor to revise the academic work);

D. Altering grade, lab, or attendance records. This includes, for example, the forgery of University forms for registration in or withdrawal from a course;

E. Damaging computer equipment (including disks) or laboratory equipment in order to alter or prevent the evaluation of academic work, unauthorized use of another’s computer password, disrupting the content or accessibility of an Internet site, or impersonating another to obtain computer resources;

F. Giving false information or testimony in connection with any investigation or hearing under this policy;

G. Submitting for academic advancement an item of academic work that has previously been submitted (even when submitted previously by that student) for academic advancement, unless done pursuant to authorization from the Faculty Member supervising the work or containing fair attribution to the original work.

IV. Theft - Stealing, taking or procuring in any other unauthorized manner (such as by physical removal from a professor’s office or unauthorized inspection of computerized material) information related to any academic work (such as exams, grade records, forms used in grading, books, papers, computer equipment and data, and laboratory materials and data).

V. Other - Failure by a student to comply with a duty imposed under this policy. However, no penalty is imposed under this policy for failure to report an act of academic dishonesty by another or failure to testify in an academic honesty proceeding concerning another. Any behavior that constitutes academic dishonesty is prohibited even if it is not specifically listed in the above list of examples.
Academic Orientation for Freshman Lecture Courses

The fundamental problem is that most of our current high school graduates don't know how to learn or even what it means to learn (a fortiori to understand) something. In effect, they graduate high school feeling that learning must come down to them from their teachers. That may be suitable for the goals of high school, but it unacceptable at the university level. That the students must also learn on their own, outside the classroom, is the main feature that distinguishes college from high school.

My contention is that it is possible to get college freshmen to learn calculus fairly well, without resorting to utopian tricks such as enforced group projects. All we have to do is get the student to accept that learning is something that will take place mostly outside of class; that is, just insist that they grasp the underlying premise of college education.

1. **You are no longer in high school.** The great majority of you, not having done so already, will have to discard high school notions of teaching and learning and replace them by university-level notions. This may be difficult, but it must happen sooner or later, so sooner is better. Our goal is more than just getting you to reproduce what was told to you in the classroom.

2. Expect to have material covered at **two to three** times the pace of high school. Above that, we aim for greater command of the material, especially the ability to apply what you have learned to new situations (when relevant).

3. Lecture time is at a premium, so it must be used efficiently. You cannot be “taught” everything in the classroom. **It is your responsibility to learn the material.** Most of this learning must take place **outside** the classroom. You should be willing to put in two hours outside the classroom for each hour of class.

4. The instructor’s job is primarily to provide a framework, with **some** particulars, to guide you in doing your learning of the concepts and methods that comprise the material of the course. It is not to “program” you with isolated facts and problem types nor to monitor your progress.

5. You are expected to read the textbook for comprehension. It gives the detailed account of the material of the course. It also contains many examples of problems worked out, and these should be used to supplement those you see in the lecture. The textbook is not a novel, so the reading must often be slow-going and careful. However, there is the clear advantage that you can read it at your own pace. Use pencil and paper to work through the material and to fill in omitted steps.

6. As for **when** you engage the textbook, you have the following dichotomy:

   (a) [recommended for most students] Read for the first time the appropriate section(s) of the book before the material is presented in lecture. That is, come prepared for class. Then the faster-paced college-style lecture will make more sense.

   (b) If you haven’t looked at the book beforehand, try to pick up what you can from the lecture (absorb the general idea and/or take thorough notes) and count on sorting it out later while studying from the book outside of class.

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Information Sheet
(Please Print)

Name: ____________________________
Student ID#: ______________________

Local mailing address: ____________________________
E-mail: ____________________________

Phone: ____________________________
Year at UWG: ____________________________

Math Background (List high school courses and any UWG courses.)

What are you taking this semester?

What is your major/proposed major?

When is your birthday?

Where are you from?