

MAT 221 Calculus I Syllabus, Fall 2020

COURSE CONTENT:

MAT221 is the first in the Four-semester sequence Calculus, MAT 221, MAT222, MAT321, MAT322 covering the basic calculus. Intended topics will include review of functions, limits, differentiation, and applications of the derivative. A minimum grade of C in MAT221 satisfies three credits of general education requirement. This is an ONLINE VERSION of MAT221 – all content is delivered online. Students view all online lectures in the course management system Moodle, and complete online homework and quizzes using WebAssign. Students are encouraged to post questions and answers on the course discussion board in Moodle. Two semester exams and a final are posted in Moodle.

PREREQUISITES:

MAT221 assumes that you have essential precalculus skills (both algebra and trigonometry) necessary to succeed in calculus. Students should be able to do arithmetic without a calculator.

REQUIRED MATERIALS:

Textbook: Calculus: Early Transcendentals, 8th Edition by Stewart

The materials required for this course are included in a Cengage Unlimited, subscription (think Netflix or Apple Music) that gives you access to all your Cengage access codes, online textbooks, study guides, and in many cases a print rental for \$119.99 (+\$7.99 for print rental). No matter how many Cengage products you use, they are included in Cengage Unlimited, and the price stays the same. You can purchase access to Cengage Unlimited in the bookstore, where you can use your financial aid.

This course will use WebAssign for Stewart's Calculus: Early Transcendentals, 9th Edition, Multi-Term 9781337771474 (\$125) that is included in Cengage Unlimited.

- You should NOT purchase BOTH the Course Materials AND a Cengage Unlimited subscription; only ONE purchase is required and it is recommended that you consider a Cengage Unlimited subscription.
- You'll be able to see other courses at the bookstore using Cengage materials, so be sure to take some time and explore the benefits of a Cengage Unlimited subscription.
- As a bonus, before your subscription ends, you can choose up to six e-books to retain in your virtual locker for an additional twelve months.

Computer access and requirements: All assignments should be taken on a computer, not cell phone or tablet, since there may be compatibility issues with Moodle and WebAssign. Be sure you are using a browser that works with WebAssign. Please check for WebAssign browser recommendations. Any WebAssign questions should be directed to your instructor and/or the WebAssign Student Support 1-800-955-8275.

Calculators: A graphics calculator and Wolframalpha are useful as a study and learning tool when used appropriately, but they are not essential. Remember that Calculus is a collection of ideas that are not mastered through calculator skills. No calculators are allowed on exams.

COURSE CALENDAR: Check the course calendar for due dates and plan your schedule accordingly.

Moodle: Tougaloo College Online course management system. All course information including the course syllabus, and exam information are posted on this site. In addition, there is a mail tool and discussion forum for communication.

All grades are posted in Moodle (except individual WebAssign homework and quiz scores which are accessed in your WebAssign account). **You are responsible for verifying that those grades are accurate. You have one week after a score has been posted to resolve any grade concerns by contacting me. I will not consider these grade disputes at the end of the semester.**

Please note: Important course information is clearly communicated in this course guide and assignments and course materials are easily accessible through the Moodle modules. If you cannot find your answer in the resources above, there is also a Discussion Forum available in Moodle. Please use this to post questions and to supply answers to your fellow students. Your instructor will check the discussion forum regularly.

LECTURE VIDEOS: The lecture and additional example videos provide the main presentation of course material, and are accessed through the Moodle modules. To stay current with the course, I recommend watching the videos weekly following the schedule posted on the course calendar. You should watch the lectures before attempting homework and Quiz. You may contact me or post questions on the course discussion board if you need clarification of a topic.

SUCCESS: Other than having a strong precalculus background, success in MAT221 depends largely on your attitude and effort. It is not effective to watch a video and copy notes without following the thought processes involved in the lecture. For example, you should try to answer the questions posed by your lecturer. Students who do not actively participate have much more difficulty. For that reason, there are quiz questions included in each lecture which you will answer in Webassign as part of your final grade.

However, be aware that much of the learning of mathematics at the college takes place outside of the classroom. You need to spend time reviewing the concepts of each lecture from the videos and textbook before you attempt homework problems. It is also important to look over the textbook sections to be covered in the next lecture to become familiar with the vocabulary and main ideas before watching the video. That way you will better be able to grasp the lecture material. As with most college courses, you should expect to spend a minimum of 3 hours working on your own for every hour of classroom instruction. You should therefore plan to spend at least 12 hours each week on this online course including the time spent watching the lecture videos.

It is critical that you keep pace with the course material as presented in the module for each week. Do not fall behind. Ask questions either during online office hours or on the discussion board; do not let misunderstandings go unanswered. You should check the discussion board regularly, posting questions and answers for fellow students. The effort of asking questions and communicating ideas clearly, as well as the practice of writing solutions, are effective tools in helping you better understand calculus concepts. This is YOUR forum, take advantage of it by participating in it. In studying calculus, you must be careful not to let a tutor, friend, or calculator “think” for you. Be sure that you can work problems completely on your own, without help, by the time of a quiz or exam.

Our hope is that through focused study and practice you will gain a real appreciation for the important concepts of calculus and their application. We want you to succeed in this class! But you must keep up with the course material and take the initiative to get help in time, before you get too far behind. Students with a positive attitude who are intellectually engaged in learning the material will get the most from the course.

ADA ACCOMMODATIONS: Students with disabilities who qualify under the Americans with Disabilities Act (ADA) and require accommodations should be referred to Dr. Melissa McCoy, the ADA Compliance Officer, at (601) 977-7783, or mmccoy@tougaloo.edu. Disabilities covered by ADA may include learning, psychiatric, physical disabilities, or chronic health conditions. The ADA will provide a documentation letter to the student to present to me. This must be done as early as possible in the semester, at least one week before the first exam, so there is adequate time to make proper accommodations and the accommodations are not retroactive.

ACADEMIC HONESTY: Remember that you committed yourself to academic honesty when you registered at Tougaloo College by agreeing to the Honor Pledge

Academic Honesty Guidelines: “All students are required to abide by the Academic Honesty Guidelines which have been accepted by the College. The academic community of students and faculty at Tougaloo College strives to develop, sustain and protect an environment of honesty, trust and respect. Students are expected to pursue knowledge with integrity. Exhibiting honesty in academic pursuits and reporting violations of the Academic Honesty Guidelines will encourage others to act with integrity. Violations of the Academic Honesty Guidelines shall result in judicial action and a student being subject to the sanctions in paragraph XIV of the Student Code of Conduct.”

Final Grade Components: Your course grade is based on 700 points accumulated as follows:

Component	Points	Weightage
WebAssign Homework (10)	15 point each	15%
Webassign Quizzes (10)	15 point each	15%
Semester Exams (2)	100 point each	20% each, Total 40%
Final Exam	200 points	25%
Total	700 points	100%

The total sum of points is your umerical score, which will be converted to a letter grade according the following scale. The course grade is determined by the number of points you earn and will be strictly enforced.

There will be no additional curve in this course, and extra assignments for individual students to improve a grade are NOT possible.

Percentage	Letter Grade
88%-100%	A
75%-87%	B
62%-74%	C
50%-61%	D
Below 50%	F

VIDEOS: Viewing the lecture presentations is an important aspect of the learning process. Videos are accessed through the modules in Moodle.

WEBASSIGN ONLINE HOMEWORK: The online homework administered on WebAssign is planned to review concepts and provide practice of the lecture material. During the course of the semester, online assignments will be assigned on a routine basis and must be completed before the due dates listed in the course calendar. The homework problems are graded by WebAssign and your score is immediately available after submitting your work. You will have multiple attempts for each problem; there are aids and a link to the ebook to help you solve each question. Do not try to complete an assignment in one sitting; start early instead of waiting until the due date to avoid missing the deadline.

WEBASSIGN ONLINE QUIZZES: Twelve quizzes will be posted in WebAssign to be due on the dates listed in the Quiz/HW calendar. You will have 45 minutes to complete an online quiz; the clock starts from the time you open your quiz. Each quiz will be graded on a scale of 0 to 15 points, and the top ten scores will count, to total up to 100 points. DO NOT wait until the last minute to submit your quiz; we will NOT extend time for computer issues or WebAssign server problems.

NOTE: WebAssign Homework and quizzes account for 300 points of the total to be earned in the course. They are a significant part of your grade, to reflect their importance in understanding course concepts.

EXAMS: Two semester exams and a cumulative final exam are given online in Moodle. Your exam grade will be available in Moodle gradebook once your exam is submitted. The MAT221 exams are not released to students, but you may request a private online conference or visit instructor's office hours to review your exam within one week of the exam

EXTRA CREDIT: You may earn additional points in the following ways:

- **COURSE PARTICIPATION (8 points):** We encourage you to utilize instructor's virtual office hours and the MAT221 Discussion Board regularly to ask and answer questions about course material and homework. You can earn up to 4 bonus points to participate in virtual office hours and up to additional 4 points by responding to other students' math questions. Answers must be appropriate and relate to course material to earn credit.
- **EXAM PREPARATION (2 points):** An exam review sheet is posted in Moodle for each test and students can earn up to 2 bonus points by submitting their work one day before the test. In addition, a bonus exam review assessment will be available in virtual office hours before each test and the assessment will include questions from previous MAT221 exams so that you will have a flavor of the type of questions that you will see on the actual test. Detailed instructions for earning extra credits will be posted with the exam reviews.

MAKE-UP POLICIES AND EXTENSIONS:

- **EXTENSIONS ON WEBASSIGN HOMEWORK:** While it is a much better strategy to work ahead, occasionally you may fall behind. You can request an extension on WebAssign homework within 1 day after the deadline and you will have 24 hours to complete it after extension request. The extension must submit in WebAssign directly. However, there will be a 20% grade penalty for those problems completed after the original due date for the assignment.

- **MAKE-UP WEBASSIGN QUIZZES:** We offer 2 drops on WebAssign quizzes, so we do not provide make-ups for online quizzes. To allow time for computer issues, it is recommended not to wait until final hours on the due day to start your quizzes.
- **MAKE-UP EXAMS:** Students must provide valid documentation for requesting a make-up exam due to a scheduling conflict by the end of the fourth week to avoid penalty. If illness or other extenuating circumstances force you to miss an exam, contact me as soon as possible (no later than 24 hours after the exam) for approval to schedule a make-up exam. We do not consider traveling or lack of internet access as a valid excuse for a make-up exam.
- **OTHER MAKE-UPS:** There are no make-ups on any extra credit assignments.

INCOMPLETE GRADE: A student who has completed a major portion of the course with a passing grade but is unable to complete the final exam or other course requirements due to illness or emergency may be granted an incomplete, indicated by a grade of I. This allows the student to complete the course within the first six weeks of the following semester. The student must contact Dr. Wang before finals week for departmental approval and must provide documentation of the extenuating circumstances preventing him or her from taking the final exam. The grade of “I” is never used to avoid an undesirable grade, and does not allow a student to redo work already graded or to retake the course.

TITLE IX POLICY ON SEX DISCRIMINATION, SEXUAL MISCONDUCT AND RETALIATION

Title IX of the Educational Amendments of 1972 (“Title IX”) explicitly prohibits sex-based discrimination by any institution of higher education that receives federal funds (which includes Tougaloo College). Under the scope of this federal law and related federal and state laws, Tougaloo must adhere to specific regulations regarding how to address reports of sexual discrimination, sexual misconduct, including sexual harassment, sexual assault, sexual exploitation, indecent exposure, intimate-partner violence including dating violence and domestic violence, romantic/sexual consensual relationships between people with unequal power, stalking, and other misconduct that is sex or gender-based.

Title IX also mandates that a recipient may not retaliate against any person for opposing an unlawful educational practice or policy, or made charges, testified or participated in any complaint action under Title IX. For a recipient to retaliate in any way is considered a violation of Title IX.

Tougaloo College is committed to establishing and maintaining a community that is rich in equality and reflects and promotes personal integrity, civility, and mutual respect. Tougaloo seeks to create an environment in which the greatest holistic academic potential of students and professional potential of employees may be realized. In order to create and maintain such an inclusive climate, all who learn, live and work at Tougaloo are partners in the effort of ensuring that the community is free from sex discrimination, sexual misconduct and retaliation.

Inquiries about Title IX as implemented at Tougaloo, or reports of any violation of Title IX should be directed internally to:

Dr. Linda J. Daniels
Office of the President
Blackmon Administration Building
Telephone: 601-977-4462

Email: ldaniels@tougaloo.edu

Inquiries may be made externally to:

Office for Civil Rights (OCR)

U.S. Department of Education

400 Maryland Ave., SW, Washington, DC 20202-1100

Telephone: (800) 421-3481

TDD: (877) 521-2172

Email: OCR@ed.gov

www.ed.gov/ocr