

MST111: Calculus with Analytic Geometry I
MAN 024 (TR), Kirby 120 (WF)

Instructor: Michael Weselcouch

Office: MAN 383

Office Hours: TWRF 11:00am - 12:00pm, WR 1:00pm-2:00pm and by appointment.

Email: weselcom@wfu.edu

Course Description. MST 111 Calculus with Analytic Geometry I is the first of three semesters in the calculus sequence. The topics covered in this course include: functions, trigonometric functions, limits, continuity, differentiation, applications of derivatives, introduction to integration, the fundamental theorem of calculus.

Required Materials.

- (1) *WebAssign access code:* You must purchase access to homework assignments and study materials via WebAssign at <http://www.webassign.net>.
- (2) *Textbook:* Stewart, *Calculus-8e* is available for download on WebAssign.

A scientific calculator is recommended but not required. Graphing calculators will **not** be allowed.

Structure and Grading. Letter grading follows the +/- 10 point scale below left. All other grading in accordance with University policy. Grades will be determined as shown below right.

Grading Scale

		93-100	A	90-92.99	A-
87-89.99	B+	83-86.99	B	80-82.99	B-
77-79.99	C+	73-76.99	C	70-72.99	C-
67-69.99	D+	63-66.99	D	60-62.99	D-

Component	Weight
WebAssign	10%
Quizzes	15%
ALEKS	10%
3 In-class Tests	40%
Final Exam	25%

WebAssign. WebAssign homework assignments are obtained, submitted, and graded online at <http://www.webassign.net>. With the exception of the introductory assignments, WA homework is due at **11:59pm** on Tuesday nights. It is very important to keep up with this work and not save it for the last minute. You can request an extension for any assignment, however you can only earn 50% of the total points remaining on these assignments. While assignments are not due immediately, **I highly recommend you start work on homework as soon as we cover the material in class.** I also recommend that you print each assignment and work it with pencil and paper before submitting: you will be required to show all work on exams, and homework is great practice! The assignments named "Prelecture" are there for practice and are not worth any points.

Quizzes. You will have a 10 minute quiz during the last day of the week unless there is an exam that week. Each quiz will have 1 or 2 questions on the material we covered that week.

ALEKS and MST 105L. ALEKS is an online, self-paced tutorial designed to review algebra and trigonometry. Following an initial knowledge check (initial assessment) to determine strengths and weaknesses, ALEKS guides the student through the concepts that have not yet been learned. ALEKS is available via any computer with an internet connection and may be accessed 24/7. All MST 111 students must purchase a 6-week license through the WFU bookstore or online at the time of the initial assessment (approximately \$45). Students enrolled in MST 111 can earn 1-hour pass/fail credit (MST 105L) for working in ALEKS and meeting the requirements for the course (attend and work in ALEKS during their MANDATORY two-hour class each week AND score at least 80% on final assessment). Students who are not enrolled in MST 105L and would like to add MST 105L to their schedule should email math105l@wfu.edu with their choice of an open section. This must be completed by Monday, Sept 9 at 2pm. The grade on the ALEKS final assessment accounts for 10% of the final MST 111 grade.

Tests. The 3 in-class tests are closed-book, closed-note, with no graphing calculators permitted. Your two highest test scores are worth 15% of your final grade, your lowest test score is worth 10%.

Test #1: Friday, September 27, covering Sections 1.1 - 2.5

Test #2: Thursday, October 31, covering Sections 2.6 - 3.6

Test #3: Friday, November 22, covering Sections 3.7, 3.9 - 4.5

Final: Friday, December 13, 9:00am-12:00 pm

Test Make-up Policy. Test make-ups are administered in accordance with University policy. Anticipated, excused absences (such as WFU obligations, required court attendance, and religious observance) must be reported to the instructor with appropriate certification *well before* the scheduled test date. Legitimate emergency absences must be reported with appropriate documentation within one week of returning to class. No other make-ups will be given.

Corrections to Grading. If you think an error may have been made in the grading of your test, carefully review the answer key posted on Sakai and then contact the instructor **within 1 week of the test's return** with your question. **Do NOT alter the original work.**

Final Exam. The final exam date is scheduled by the University for **December 13, 9am** in TBA and is non-negotiable unless you have 3 exams within 24 hours. Determine as early as possible if that is the case, as you must go through the Registrar and Department of Mathematics and Statistics to reschedule. The final is CUMULATIVE: it will cover all material from Tests #1-3 as well as Sections 3.8 and 5.1.

Attendance Policy. Attendance will be not be taken therefore attendance does not count towards the course grade. I hope you find lectures and class activities beneficial to your learning, but understand that everyone learns in their own way.

Accommodations. If you have a disability that may require an accommodation for taking this course, please contact the Learning Assistance Center (758-5929) within the first two weeks of the semester. I must have written documentation from them in order to be of assistance. You are responsible for getting such documentation to me at least 48 hours before any accommodation is needed. **Do no procrastinate!**

Honor Policy. All work turned in for a grade in this course is expected to be completed in accordance with the guidelines stated in the assignment. All information presented by you concerning your performance is expected to be true. Any suspected violations of the Wake Forest University Honor Code that come to my attention will be reported to the Honor Council. You will be required to sign a pledge statement on each graded assignment and on each exam.

Resources for Assistance. Each of you is starting this course as an A student and can absolutely succeed as long as you take responsibility for seeking help as soon as you need it. Study groups are highly recommended: your peers are excellent resources. In addition, instructor office hours exist for the sole purpose of helping students! Effectiveness is maximized if you arrive with specific questions in hand. For virtual assistance, a class Sakai site will be maintained with course announcements and lecture materials. **If emailing the instructor directly, please include MST111 in the subject line and your full name in the message.** Free drop-in tutoring and individual tutoring appointments are available at the MSC in Kirby Hall 117, Mon-Thur noon-9p.

Tentative Course Schedule. Subject to change: **up-to-date schedule kept on Sakai.**

WEEK OF	LECTURE MATERIAL	TEST DATES
AUG 27 - 30	§1.1 - 1.4	Quiz #1 (FRI AUG 30)
SEPT 3 - 6	§1.5 - 1.7	Quiz #2 (FRI SEPT 6)
SEPT 10 - 13	§1.8 - 2.2	Quiz #3 (FRI SEPT 13)
SEPT 17 - 20	§2.3 - 2.5	Quiz #4 (FRI SEPT 20)
SEPT 24 - 27	§2.5	Test #1 (FRI SEPT 27)
OCT 1 - 4	§2.6 - 2.8	Quiz #5 (FRI OCT 4)
OCT 8 - 9	§2.8 - 2.9	Quiz #6 (WED OCT 9)
OCT 15 - 18	§3.1 - 3.3	Quiz #7 (FRI OCT 18)
OCT 22 - 25	§3.4 - 3.6	Quiz #8 (FRI OCT 25)
OCT 29 - NOV 1	§3.7	Test #2 (THUR OCT 31)
NOV 5 - 8	§3.7, §3.9, §4.1	Quiz #9 (FRI NOV 8)
NOV 12 - 15	§4.2 - 4.3	Quiz #10 (FRI AUG 15)
NOV 19 - 22	§4.4 - 4.5	Test #3 (FRI NOV 22)
NOV 26	§3.8	
DEC 3 - 6	§5.1, Review for Final	
DEC 13		Final Exam 9am - 12pm

Other Important Dates.

SEPT 3: First study session at MST.

SEPT 10: Individual appointments can be made at MST.

SEPT 30: Last day to drop without "W".

OCT 10: Fall break begins.

OCT 16: MST 105L Final Assessment.

NOV 2: NCSU @ WFU football game.

NOV 27: Thanksgiving break begins.