

Marshall University

MTH 140 – SEC 203: Applied Calculus CRN 3942 – Spring 2018

Class Time: TR 8:00 – 9:15 AM

Location: Smith Hall 509
(Tentative Syllabus)

INSTRUCTOR: Dr. Ansam Al-Aqtash
OFFICE: Smith Hall 740 C
OFFICE PHONE: 304-696-3036
E-mail: alaqtasha@marshall.edu

OFFICE HOURS: **M** 12:00 – 2:00 PM, **W** 11:00 AM – 2:00 PM, **F** 11:00 AM – 12:00 NOON, others by appointment.

UNIVERSITY POLICIES: By enrolling in this course, you agree to the University Policies listed below. Please read the full text of each policy by going to www.marshall.edu/academic-affairs and clicking on “Marshall University Policies.” Or, you can access the policies directly by going to

<http://www.marshall.edu/academic-affairs/policies/>

Academic Dishonesty/ Excused Absence Policy for Undergraduates/ Computing Services Acceptable Use/ Inclement Weather/ Dead Week/ Students with Disabilities/ Academic Forgiveness/ Academic Probation and Suspension/ Academic Rights and Responsibilities of Students/ Affirmative Action/ Sexual Harassment. The most recent revision of the 2015-2016 undergraduate catalog can be obtained at

http://www.marshall.edu/catalog/files/UG_15-16_final_published.pdf

Academic Integrity:

- ✚ The University Rules, including the Code of Conduct, and other documented policies of the department, college, and university related to academic integrity, will be enforced. **Any violation of these regulations will be dealt with on an individual basis according to the severity of the misconduct.**
- ✚ Please note that **any act of Plagiarism, Cheating, or/and Academic Dishonesty** will be **prosecuted to the maximum extent according to MU catalog.**

CLASS RULES:

1. **SILENT YOUR PHONES.** Students are advised to turn their cell phones and other noise generating devices off prior to entering the class. In the case where a student awaits any emergency call, the noise should be restricted and made personal. And in this case, I should be notified as soon as the student enters the class.
2. If you need to leave the class early, inform your instructor before the class begins. Please **show your respect** to your classmates and your instructor.
3. Food items, apart from water or soft drink, are not allowed in the class.
4. The reading of newspapers and other unrelated materials while the class is in session is prohibited.
5. **Good attendance is a major key to success in this (or any) class!** Students are expected to attend all scheduled classes. If you should miss a class, then it is your responsibility to find what was discussed on that class period.

COURSE DESCRIPTION: A brief survey of calculus including both differentiation and integration with applications. Not to be substituted for MTH 229 or MTH 230. Prerequisites: ACT Math 24, SAT Math 560, MTH 127, MTH 130, or MTH 132.

COURSE OBJECTIVES AND STUDENT LEARNING OUTCOMES: The table below shows the following relationships: How each student learning outcomes will be practiced and assessed in the course:

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Course Student Learning Outcomes:

Student will be able to	How students will practice each outcome in this Course	How student achievement of each outcome will be assessed in this Course
<ul style="list-style-type: none"> • identify and use the basic concepts of functions appropriately. • describe the main ideas of Calculus: derivative, integral, and read the assigned material responsibly • compute derivatives and interpret them as rates of change. • Compute integrals and interpret them as accumulations and limits of sums. • mathematically model real world situations using calculus tools and then interpret the results. • use technology to numerically model real world problems when analytical solution can't be found, and then interpret the results. 	Homework, in-class activities, & classroom discussions	midterms & final exam

EBOOK: Calculus for the Life Sciences (MyMathLab access code), **2nd Edition**,

Authors: Greenwell, Lial & Ritchey

<https://www.pearsonmylabandmastering.com/northamerica/>

Your Course Name: **MTH 140 - SEC 203 - CRN 3942 - Applied Calculus - Dr. Al-Aqtash**

Your Course ID: **al-aqtash52925**

Waiting for financial aid? **Get temporary access without payment for 14 days.** Use an access code, credit card, or Paypal to stay in your course.

MATERIAL: We will cover most of the chapters of the text, with additional topics as time allows.

Week 1-6: Chapter R, 1, 2, 3 (Test#1)

Week 7-11: Chapter 4, 5, 6 (Test#2)

Week 12-15: Chapter 7, 8, & Final Test Review.

CALCULATOR: A graphing calculator (i.e. TI-83, TI-84, etc.) is required.

GRADED WORK: (550 points)

1. Exams:

There will be two in-class midterm tests and a final exam. **The final exam will be cumulative & comprehensive.** In case of extreme emergency, serious illness, or university related activity, when I have been notified with evidence or approval, or excused absences approved by the Dean of Student Affairs, the student will be allowed to make up the missed exam.

Test#1: Thursday, February 15th, 2018 (100 points) ~ 18.18%

Test#2: Thursday, March 29th, 2018 (100 points) ~ 18.18%

Final Exam: Thursday, May 3rd, 2018, 8:00 – 10:00 AM (150 points) ~ 27.27%

2. Quizzes/Classroom Activities (50 points) ~ 9.09%

3. Homework Assignments (MyMathLab) (100 points) ~ 18.18%

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4. ATTENDANCE (50 points) ~ 9.09%

Good attendance is a major key to success in this (or any) class!

Attendance Policy:

- ✚ Students are expected to attend all scheduled classes. **I'll reserve the right to drop 2 points for each absence.** It is the student's responsibility to find out what was discussed in a missed class.
- ✚ **In case of an emergency, when I am notified ahead of time, or when the absence is excused by the office of the dean of affairs, a student will be allowed to makeup a missed work.**

Roughly speaking 90% is at least an A , 80% is at least a B, 70% is at least a C, 60% is at least a D. Final grades will be determined by the end of the semester.

MATH TUTORING SERVICES: Marshall University provides multiple options for free on-campus tutoring. It is the student's responsibility to take advantage of these facilities in addition to utilizing office hours.

- The Mathematics Department tutoring lab is located in Smith Hall 625. The tutoring hours are:
 - Monday-Thursday: 10:00am to 4:00pm, 5:00 to 6:30.
 - Friday: 10:00am to noonThe current schedule can be found at <http://www.marshall.edu/math/tutoring/>
Schedules for the new semester are usually posted during the second week of classes.
- The University College has a tutoring lab Smith Communications Building (Room 211). Information regarding this facility can be found at <http://www.marshall.edu/uc/tutoring-services/>

DROP: The last day to drop class (no entry to academic record) is Friday, January 12th, 2018.

Martin Luther King, Jr. Holiday (Monday January 15th 2018) – University closed.

Withdrawals: Friday (March 16th, 2018) is the last day to withdraw “W” from the class.

Spring Break (Monday March 19th – Saturday March 24th) Classes dismissed.

Dead Week (Monday April 23 – Friday April 27).

The complete academic calendar is available at

<http://www.marshall.edu/academic-calendar/academic/spring2018/>

Blackboard / Electronic Communications:

MUonline <Blackboard> will be used to post pertinent class information and course documents. For technical problems with Blackboard contact IT Services Desk 304-696-3200.

Special Needs Policy:

Policy for Students with Disabilities: Marshall University is committed to equal opportunity education for all students, including those with physical, learning and psychological disabilities. University policy states that it is the responsibility of students with disabilities to contact the Office of Disability Services (ODS) in Prichard Hall 117 (304.696.2467) to provide documentation of their disability. Following this, the ODS Coordinator will send a letter to each of the student's instructors outlining the academic accommodation he/she will need to ensure equality in classroom experience, outside assignment, testing, and grading. The instructor and student will meet to discuss how the accommodation(s) requested will be provided. For more information, access the website for the Office of Disabled Student Services:

<http://www.marshall.edu/disabled>