



Syllabus

Basic Course Information:

Course Prefix/Number: MATH 203
Course Title: Calculus II
Class Meeting Times: UTR: 1:00 - 1:50
Instructional Modality: on-campus
Class Location: A204

Instructor: Dr. Mohamad Abdallah
Office Location: A 338
Office Phone: ext. 3710
Email: mabdallah@auk.edu.kw
Office Hours: UTR: 8:40 am - 9:40 am
1:55 pm - 2:55 pm

AUK Mission Statement:

The American University of Kuwait is a liberal arts institution dedicated to teaching, learning, and scholarship. The University offers programs that provide students with the knowledge and skills necessary for lifelong learning and professional success. AUK enriches society by fostering an environment that encourages critical thinking, effective communication, personal growth, service, and leadership

Department Mission Statement: The Department of Mathematics and Natural Sciences is committed to excellence in teaching, research, and scholarly activities. The department prepares AUK students in different disciplines with the fundamental scientific and analytical skills critical to a quality liberal education. The department strives to prepare students to be successful in their careers and promotes lifelong learning.

Catalog Course Description: Riemann sum, fundamental theorem of calculus, fundamental integration techniques, numerical integration, applications of integrations, improper integrals, sequence and series, and the use of CAS.

Course Learning Outcomes: Upon successful completion of the course, students will be able to:

Course Learning Outcomes (CLOs)
CLO1: Evaluate definite and indefinite integrals using substitution, parts, trigonometric identities, trigonometric substitution, partial fractions, and completing the square.
CLO2: Approximate definite integrals using the midpoint rule, the trapezoidal rule, and Simpson's Rule, with and without the use of a graphing utility.
CLO3: Demonstrate various applications of calculus to problems from physical sciences and engineering.
CLO4: Determine if an infinite series converges or diverges using various convergence tests and express functions as infinite series.

Course Delivery/Methodology:

For this course we will be meeting in-person three days per week and materials will be presented through lectures and readings. All lectures will be posted on Moodle, which can be accessed at <https://lms.auk.edu.kw/> .

Required Textbook:

“*Calculus, Early transcendentals*”, 9th metric version, James Stewart. You need to buy the Access code for Webassign (<https://www.cengagebrain.co.uk/shop/>)

Recommended Reading:

“*Calculus, Volume 2*”, by G. Strang. This book is free and can be downloaded from <https://openstax.org/details/books/calculus-volume-2>

The sections of this book corresponding to the course materials are: 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 2.1, 3.1, 3.2, 3.3, 3.4, 3.6, 3.7, 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 6.1, 6.2, 6.3.

Evaluations and Grading:

Evaluation Type	Weight
Online Homework	10%
Online Quizzes	10%
Exam I	16.66%
Exam II	16.67%
Exam III	16.67%
Final Exam	30%
Total	100%

Exams:

There will be three in-class exams. Each exam is 50 minutes and worth 16.67 % of your final grade. These exams are only given on these dates **19/3, 16/4 and 21/5**, at the regular class time and in the regular classroom. Any questions about the grading of these exams must be raised with the instructor within 5 work days of their return.

Final Exam:

The Final Exam will be **cumulative and covers all the materials** taught during the semester. It will be given on campus and its date and time will be set by the University.

Online Homework:

- Homework will be assigned Online. Completing the assigned homework is vital to your understanding of the subject material. You should make every effort to complete the homework assignments and seek help with problems you have not been able to solve. The homework assignments are available on the webpage <https://webassign.com> . You do need the Class Key: **auk.edu.kw 4089 2161** to register and then you will have to buy the access code.
- You have five attempts for each question.
- You will have at least seven days to complete each homework, you are responsible to check WebAssign at least twice a week and to keep track of the assignments' due dates.
- No homework extensions will be given.

Online Quizzes:

- Quizzes are open book and will be completed at home on WebAssign
- Each quiz is 60 minutes long and worth 2% of your final grade.
- These quizzes are only given on their scheduled week. Once you start the quiz, you cannot exit and complete it later.

- You have only one attempt for each question
- If you experience technical difficulties during a quiz, an oral examination will be scheduled to make it up.

AUK Official Grading Scale:

Letter Grade	Percentage	University Points
A	94-100	4.0
A-	90-93	3.7
B+	87-89	3.3
B	84-86	3.0
B-	80-83	2.7
C+	77-79	2.3
C	74-76	2.0
C-	70-73	1.7
D+	67-69	1.3
D	64-66	1.0
D-	60-63	0.7
F	0-59	0.0

AUK Attendance Policy:

Any student who misses more than 15% of class sessions of any course during a semester should expect to fail, unless she/he submits documented evidence to the course instructor of inpatient medical care, death of an immediate family member, academic instructional activities, or national athletic activities. If excused, students are required to satisfy all coursework due or assigned during their absence as determined by the course instructor. If a student does not submit documented evidence for her/his absence exceeding the limit, it is the student’s responsibility to withdraw from the course by the specified deadline, as indicated on the academic calendar. Students who withdraw from a course receive a grade of “W”. Students who do not withdraw from a course nor submit supporting documents for excessive absences will receive a grade of “FN” (failure for non-attendance). You are responsible for all missed work, regardless of the reason for absence. It is also the absentee’s responsibility to get all missing notes or materials.

Code of Academic Honesty and Integrity:

Upon admission to the American University of Kuwait, students agree to act responsibly in all areas of academic, personal and social conduct and to take full responsibility for their individual and collective action. Such regulations are found in the American University of Kuwait Catalogue, Student Handbook, and the AUK website at www.auk.edu.kw. Any question of interpretation regarding the code of academic honesty and Integrity shall be reported to the appropriate academic dean. The Code shall be reviewed annually at the discretion of the academic deans. Any student or student organization found to have committed the cited violations or misconduct, either on or off campus, is subject to the disciplinary sanctions outlined in adjudication procedures.

Plagiarism:

The term “plagiarism” includes, but is not limited to, an attempt of an individual to claim the work of another as the product of his or her own thoughts regardless of whether that work has been published. Plagiarism includes, but is not limited to, quoting improperly or paraphrasing text or other written materials without proper citation on an exam, term paper, homework, or other written material submitted to an instructor as one’s own work. Plagiarism also includes handing in a paper to an instructor that was purchased from a term paper service or downloaded from the Internet and presenting another person’s academic work as one’s own.

Cheating:

The term “cheating” includes but is not limited to, copying homework assignments from another student; working together with another individual on a take-home test or homework when not approved by the instructor, looking at and/or copying text, notes or another person’s paper during an examination when not permitted to do so. Cheating also includes the giving of work information to another student to be copied and/or used as his or her own. This includes but is not limited to giving someone answers to exam questions either when the exam is being given or after having taken an exam; informing another student of specific questions that appear or have appeared on an exam in the same academic semester; giving or selling a term paper, report, project, or other restricted written materials to another student.

Academic Support:

Learning Support Services focuses on empowering students to become independent and successful learners by developing their literacy skills, enhancing their understanding, and helping them improve their academic and study skills. Learning Support Services is comprised of two centers: the Tutoring Center and the Writing Center. The Tutoring Center provides free academic support in various subjects to AUK student. Email: tutoringcenter@auk.edu.kw. The Writing Center provides multilingual support (English, Arabic, French, and Spanish) through individual or small-group consultations. Email: writingcenter@auk.edu.kw

Disability Accommodations:

AUK provides equal and inclusive educational environment in order to enable all students to meet and perform requisite academic standards and to participate in the opportunities and activities of its community. If you believe you can benefit from accommodations for a learning, physical, or mental health disability, [click here to book a session through the Counseling Center/Disability Services Booking Page](#), to ask about disability services at AUK, initiate an accommodation plan, or receive disability services. You can also email counseling@auk.edu.kw if you need assistance in booking a session.

Course Policies/Student Responsibilities:

- We will treat each other with respect. We will address others in the manner they prefer to be addressed.
- Class will begin promptly at the start of the period and will end when the instructor dismisses the class. Make every effort to ensure that you are logged in and ready for the class to begin when the instructor logs in as random arrivals and exits are distracting and hinder the learning process.

- You are encouraged to raise your hand if there is something you do not understand. Questions are an invaluable learning tool, therefore strive to ask when you encounter a challenging concept. Restricting your questions to the material at hand is expected and appreciated.
- A student needs to be logged in for the whole duration of the class with a working camera and microphone to be considered present. You are expected to attend every class. You are responsible for all missed work, regardless of the reason for absence. It is also the absentee's responsibility to get all missing notes or materials.
- The instructor reserves the right to mark a student absent and not allowed in class in case of extreme and/or repeated lateness.
- This class is a learning-conducive, student-centered environment. Be sure to participate even if you are uncertain of your answer. Enjoy the class, while allowing others to enjoy it too. Refrain from ridiculing answers or engaging in any distributive behavior. Learning is a journey of beautiful adventure and exploration.

Late and Missing Work Policy:

Late work is not accepted.

Make-Up Work Policy:

If you miss an exam and promptly present legitimate, documented evidence for a valid excuse, then the score of the Final Exam will be considered instead.

Office Hours Protocol:

If you still have questions about Mathematics, stop by my office during office hours, or make an appointment with me. But beware, I do not repeat whole lectures for students one-on-one. I will gladly answer specific questions but questions of the form "I don't understand anything." will get you no sympathy or help from me. Mathematics is learned by doing problems. Do problems and ask for help about specific problems and your instructor will help. Bring me your log book to prove to me that you actually work on problems.

Cell Phones and Electronic Devices:

You are addicted to your cell phones (as am I). Put it in your bag and pay attention. The same goes for your laptop. You are allowed to use tablets to take notes.

Communication Policy:

- Visit this [link](#) to learn more on "how to email a professor"
- Do not send an email asking and/or complaining about grades. If you have inquiries, schedule an appointment to meet in person to review areas of improvement.
- Do not write in all CAPITALS. This makes it seem that you are shouting at the receiver.
- Read and reread your emails before sending. Double check spelling, grammar, proper titles, etc.
- Make sure to indicate your class number and section in the title

- Make sure to allow 24 hours to receive a response for your email. The instructor reserves the right not to respond to emails whose answer can be found in the syllabus or in a previous communication and/or to emails that do not adhere to proper email etiquette.
- If I do not respond within 24 hours, please re-send the email.
- Emails sent on weekends will be responded to on Sunday.

Technology Issues:

Please email me in case of any technological issue as soon as it happens. In case of any WebAssign issues, please contact customer support, the link can be found on Moodle.

Course Schedule:

Week	Content
1	Section 5.1
2	Sections 5.2, 5.3
3	Sections 5.4, 5.5
4	Liberation Days & Spring Break
5	Section 6.1
6	Section 6.5
7	Exam 1 (Sunday 19/3/23) Sections 7.1, 7.2
8	Sections 7.3, 7.4
9	Section 7.8
10	Sections 11.1, 11.2
11	Exam 2 (Sunday 16/4/23) Section 11.3
12	University Closed
13	Sections 11.4, 11.5, 11.6
14	Sections 11.8, 11.9
15	Section 11.10
16	Exam 3 (Sunday 21/5/23) Section 11.11
17	Review
18	Final Exam Week

Syllabus Changes:

There may be changes to the schedule and syllabus during the semester. When this happens, I will inform you in class and over email.