

SABANCI UNIVERSITY, Fall 2017
MATH 102 – Calculus II

Lecturer: Kağan Kurşungöz
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Office: FENS 2010
Office Hours: M 4:50 pm – 5:30 pm,
T 3:50 pm – 5:30 pm,
or by appointment.

Coordinator: Matteo Paganin
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Office: FENS G 001 D
Office Hours: by appointment.

Class Hours: M 3:40 pm – 4:30 pm, T 1:40 pm – 3:30 pm (FENS G 077)

Recitation Hours: F 8:40 am – 10:30 am (A1 – A6),
F 10:40 am – 12:30 pm (A7 – A12),
F 1:40 pm – 3:30 pm (A13 – A16).

You are responsible from every announcement made in class or in SUCourse. Not attending the class or not following SUCourse regularly is not an excuse, in case you miss something.

Textbook: Calculus 6th Edition, Hughes-Hallett, Gleason, McCallum et al. For online homework students must have a personal account on wileyplus.com. **New students should purchase the textbook together with the access code.** See later.

Online Homeworks: In the first week of the course, you will receive a mail on your sabanciuniv.edu address with the data of your account on wileyplus.com. You will automatically be registered to the relevant section. You are required to use the code you find on the book you purchased in order to use the service. For those who already possess an account, the existent one will be used. You will not need a new code if you used one already.

The homeworks are posted on each weekend and are due on the following Thursday at 23:45. No online homework will be made up.

Recitations: Each recitation will consist of the following activities

Problem solving on the white board (TA, LA or students)

Group-study: Students will discuss and solve problems from a given worksheet in groups.

Discussion: Students are urged to ask questions during recitations.

Quiz questions will usually be similar to the problems in the online homework or in the group-study worksheets.

Aim of the Course: We hope to gain an understanding of:

- Sequences and series, approximation of functions by series,
- Functions of several variables,
- Differentiation of functions of several variables,
- Optimizing functions of several variables,
- Integrating functions of several variables,
- Various coordinate systems if time allows.

You will find a tentative breakdown of material at the end of the syllabus.

Participation: Attendance in recitations will be checked regularly. Students missing 6 recitations or two of the three exams (two midterms and the final) will automatically get an NA grade, and will not be allowed in the final exam. In particular, students missing both midterms will not be able to take the final and get NA, and students missing a midterm and the final will get NA, regardless of the excuse. No excuses will be accepted to miss that much in the course. Health reports will not be counted for the recitations, so even if you have a health report, if you're not in the recitation, you'll be considered absent. If you miss 5 recitations for whatever reason, then get sick and have to miss the 6th one, you'll still get NA, so do not use up all of your allowed absences. You are required to attend your registered recitation section; otherwise your attendance grade will be lost. You're responsible for keeping track of your attendance grades on SuCourse. If it is entered incorrectly, you must notify your TA within 1 week to change it. If you have a medical report for an extended period of time (about a month or so), you are required to contact the course coordinator Matteo Paganin as soon as possible.

Grading: Your grade exclusively depends on the below listed items. There will be no other extra-credit opportunities.

Midterm I	25 %
Midterm II	25 %
Final	25 %
Recitation quiz	20 %
TA grade	3%
Lecture attendance	5%
Online homeworks (requires WileyPlus account)	7%

Exams: The midterms will be on the below listed dates and times. More detailed information will be available in the due course.

Midterm I	Oct 21 Sat 12:30 – 14:30
Midterm II	Nov 25 Sat 12:30 – 14:30

The university will later announce the **final exam date**. The final may be given on any day between Dec 23 2017 – Jan 05, 2018. Student resources will determine the dates× for all final exams, and instructors cannot change it. So, do not plan to leave İstanbul before Jan 06, 2018. We will not accommodate travel arrangements, or other personal business.

Makeup Policy: If you miss a midterm or the final and wish to take a make-up, you must contact Matteo Paganin, and explain your excuse within one week. If it is a health problem you need to bring a doctor's report, which is given or checked by SU Health Center. There will be one cumulative makeup exam for all exams, covering all topics, and it will be around the end of the finals period. Only students with valid excuses will be contacted about the exact time and place.

Recitation Quiz: The best 8 of your quiz scores will determine the quiz grade. There will be quizzes in almost all recitations (10-13 quizzes). Quizzes are not made up for any reason. Suggested problems will be announced on SUCourse. The worksheet problems will be distributed to you in class and uploaded in SuCourse afterwards. The quiz question will usually be similar to those problems.

Lecture Attendance Check: There will be attendance checks in the form of pop-up quizzes during lecture times. These quizzes will not be made up, either.

TA Grade: Your participation and behaviour in class will determine the TA grade (disturbing your classmates, attempting to cheat in quizzes (which may cause other problems), being late, leaving early etc. may hurt your TA grade).

Extra Help: Other than your instructor, your TA and the course coordinator, you can get extra help from Academic Support. Their web address is <http://adp.sabanciuniv.edu> .

Academic Integrity: All university policies on academic integrity apply to our course, and they will be enforced. (more information on <http://www.sabanciuniv.edu/en/academic-integrity-statement>)

In particular, no form of cheating is welcome in the exams or quizzes, such as copying whole or part of each other's answers, using cheat-sheets etc. Such behavior will be punished.

Suggestions:

- Feel free to ask your instructors and your TA a question in and out of class.
- Remember that you do not have to be a math genius to be successful in this course (although it wouldn't hurt!). Regular study habits are sufficient to get a decent grade.
- Attend the classes and recitation hours regularly. Make sure you attend your own (registered) recitation section.
- Studying out of class for this course should become a routine. Key to success in mathematics is practice. There will be homework problems assigned at the end of classes. You are not expected to return solutions but you are strongly advised to solve them. Some of the quizzes will be given at the beginning of the recitation hour; so it is important that you prepare ahead of time.
- Scientific WorkPlace / NoteBook (SWP / SNB) is a math software package available at Information Technology website for download. I often use it in my lectures as an important visual aid; you must use it for your self-study.

Below is a tentative breakdown of topics.

Week		Topic (Sections from the textbook)
1	Sep 18, 19	9.1 – 9.3
2	Sep 25, 26	9.4 – 9.5
3	Oct 2, 3	10.1 – 10.3
4	Oct 9, 10	12.1 – 12.4
5	Oct 16, 17	12.5 – 12.6, 13.1 – 13.2 (MT I, Oct 21 Sat)
6	Oct 23, 24	13.3 – 13.4, 14.1
7	Oct 30, 31	14.2 – 14.3
8	Nov 6, 7	14.4 – 14.5
9	Nov 13, 14	14.6 – 14.8
10	Nov 20, 21	15.1 – 15.2 (MT II, Nov 25 Sat)
11	Nov 27, 28	15.2 – 15.3
12	Dec 4, 5	16.1 – 16.2
13	Dec 11, 12	16.3 – 16.4
14	Dec 18,19	16.5