

This syllabus is subject to change in unforeseen circumstances

SABANCI UNIVERSITY, Spring 2022

MATH 206 – Vector Calculus

Lecturer: Kağan Kurşungöz

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Office: FENS 2010

Office Hours: T 17:30-18:30, or by appointment.

Office hours are online, the zoom link is: <https://sabanciuniv.zoom.us/j/95416366231>

Class Hours: R 10:40 am – 11:30 am (FASS G 025)

(<https://sabanciuniv.zoom.us/j/98049860340>)

F 10:40 am – 12:30 pm (FASS G 018)

(<https://sabanciuniv.zoom.us/j/93321361111>)

You are responsible for 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 Early Transcendentals 2nd Edition (Global Edition), Briggs, Cochran & Gillett. (*no code needed, you can reuse your MATH 101/102 book, or buy a used one*)

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

- parametric equations,
- vector valued functions, curves in space, curvature
- change of variables in multiple integrals,
- vector fields,
- line integrals, Green's theorem,
- divergence and curl,
- surface integrals and Stoke's theorem,
- divergence theorem,
- applications (as time allows).

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

Midterm	30 %
Homeworks	40 %
Final	30 %

Exams: The midterm is:

classtime, May 13 Fri, 2022

More detailed information will be available in due course. The final may be given on any day between Jun 11-23. Student resources will determine the dates× for all final exams, and instructors cannot change it. Do not plan to leave İstanbul before Jun 24. I will not accommodate travel arrangements, or other personal business.

Homeworks: Almost weekly homeworks will be assigned in class. They will be due on the following week before the class on Thursday. At least two of the lowest homework scores will be dropped.

Makeup Policy: If you miss the midterm or the final for a valid and documented reason, we can arrange a makeup exam.

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 homeworks, such as copying whole or part of each others' answers. Students are not allowed to give or receive outside help. The action against such violations could range from getting a zero on the particular homework/exam to explaining the case in front of the disciplinary committee.

In homeworks, if any breach of academic integrity is suspected, I may ask for an oral validation of the homework. In this case, the student will be invited to an oral interview and will be given the opportunity to explain their solution. If the student cannot provide sufficient explanations, or does not show up to the interview, their homework grade will be replaced with zero (0).

Attention must be taken regarding COVID-19 spread prevention. Students attending classes must comply with the rules list at <https://mysu.sabanciuniv.edu/en/covid-19-rules> , especially those regarding "OPEN AND CLOSED AREAS". The maximum capacity of the classrooms will always be respected and students are required to correctly wear a mask and sit only in the designated seats at all times.