



MATH 111 - Fundamentals of Mathematics - Fall 2022

Course Syllabus

Instructors: Ferruh Özbudak (Section 1)
Gülin Ercan (Section 2)
Burak Kaya (Section 3)
Gökhan Benli (Section 4)

Website: <http://ma111.math.metu.edu.tr> (Odtüclass once the semester starts)

Office hours: (Will be announced later)

Class hours and (Section 1) Monday 10:30-11:40, Wednesday 08:40-10:30, M103

classrooms: (Section 2) Monday 11:40-12:30, Wednesday 13:40-15:30, M104

(Section 3) Tuesday 08:40-10:30, Thursday 12:40-13:30, M104

(Section 4) Tuesday 15:40-17:30, Thursday 12:40-13:30, M13

Coordinator: Gökhan Benli

(Any questions regarding the course and registration can be sent to [benli \(at\) metu.edu.tr](mailto:benli@metu.edu.tr), with **MATH111** in the title and including your **ID NUMBER**)

Course description: The main goal of this course is to enable the student to comprehend and construct mathematical arguments, as well as to develop the student's mathematical maturity by providing basic definitions, facts and necessary tools. It is to your advantage to learn how to write mathematics as early as possible. If you do well in this course, then it is very likely that you will have no trouble in the rest of your education in the mathematics courses.

Textbook: The official textbook of the course is:

Proofs and Fundamentals: A First Course in Abstract Mathematics, Second Edition, Ethan D. Bloch
ISBN: 978-1441971265

It can be officially downloaded from Springer's website

<https://link.springer.com/book/10.1007/978-1-4419-7127-2>

if you are connected to the internet through the university.

Grading: There will be **two** midterms (each one out of 100) and a final exam (out of 100). Your total grade will be calculated by the following formula:

Total grade = (Midterm 1 + Midterm 2) x 0.3 + Final x 0.4

NA policy:

- If your two midterm scores **add up to less than 20 points**, (i.e., $M1+M2 < 20$) then you shall not be able to take the final exam and get an NA grade.
- If you will take the makeup exam for one of the midterms and your score of the other midterm is **less than 10**, then you shall not be able to take the final exam and get an NA grade.
- If you miss more than one midterm, then you shall not be able to take the final exam and get an NA grade.

Make-up policy: There will be one makeup exam at the end of the semester. No make-ups will be given without an official report. You cannot take more than one make-up exam even if you have official report.

You have 48 hours after the exam to notify the course coordinator about your exam absence.

Weekly course plan:

Below is the **tentative** course plan. Keep in mind that this tentative course plan is subject to change depending on our progress each week.

Week 1 (October 3)	Chapter 1
Week 2 (October 10)	Chapter 1
Week 3 (October 17)	Chapter 1 and Chapter 2*
Week 4 (October 24)	Chapter 2*
Week 5 (October 31)	Chapter 2*
Week 6 (November 7)	Chapter 3*
Midterm 1	Friday, November 11, 17:40
Week 7 (November 14)	Chapter 3* and Chapter 4
Week 8 (November 21)	Chapter 4
Week 9 (November 28)	Chapter 4
Week 10 (December 5)	Chapter 5*
Week 11 (December 12)	Chapter 5*
Midterm 2	Monday, December 19, 17:40
Week 12 (December 19)	Chapter 6*
Week 13 (December 26)	Chapter 6*
Week 14 (January 2)	Chapter 6*
Final (TBA)	

*: Sections 2.6, 3.5, 6.1 and 6.2 are excluded and Section 7.4 is included.

Policy regarding the use of Gradescope in exam evaluations: Your instructors will use the [Gradescope](#) software (which is purchased officially by the METU administration) to grade your exam papers. This means that your exam paper will be scanned and uploaded to the Gradescope system. This system allows you to see your graded exam paper and the grading process in a transparent and useful manner. If for some reason you do not want your exam paper to be graded using this system, you are obliged to notify the course coordinator **not later than October 10, 2022**. Note that in this case, you will have limited time to see your graded exam paper.

Academic dishonesty policy: You are expected to be familiar with the university's [academic integrity guide](#) for students. No form of academic dishonesty is tolerated. If you are caught cheating, then you will fail the course **and** official disciplinary action may be pursued.

Information for students with disabilities: To obtain disability-related academic adjustments and/or auxiliary aids, students with disabilities must contact the course coordinator and the METU Disability Support Office as soon as possible. For further information, visit the web site <http://engelsiz.metu.edu.tr>.