

Basic Mathematics - schedule and exams

G30 program - 1st year

Schedule.

	Date	Topic	Textbook
1	April 17	Lines and their slopes	1
2	April 24	Introduction to functions, Functions and their graphs	2, 3
3	May 1	Combinations of functions	4
4	May 8	Transformations of functions	5
5	May 15	Quadratic functions	6
6	May 22	Polynomial functions (1)	7
7	May 29	Midterm exam	
8	June 5	Polynomial functions (2)	7
9	June 12	Rational functions	8
10	June 19	Exponential and logarithmic functions (1)	9
11	June 26	Exponential and logarithmic functions (2)	9
12	July 3	Systems of equations and inequalities	10
13	July 10	Derivatives (1)	handout
14	July 24	Derivatives (2)	handout
15	July 31	Final exam	

Homework. Homework has to be done each week online.

To do the homework:

- 1) Connect to the website <http://www.math.nagoya-u.ac.jp/~demonet>
- 2) Click on the link given for the homework;
- 3) Fill in your login;
- 4) Fill in your password;
- 5) Click on **Enter**;
- 6) Choose the homework you want to do.

Most of the exercises can be tried again as many times as you want. The best grade is the only one which will be taken in account.

Grading.

- **10 %** : online homework
- **10 %** : quizzes (a problem similar to the homework, each lecture except 1, 8, 15)
- **40 %** : mid-term exam
- **40 %** : final exam

Minimal requirement for passing : 60 %.

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