

# Calculus II

**Term/Day/Period:** II (1<sup>st</sup> year, 2<sup>nd</sup> semester), Friday, 2 (10:30 – 12:00)

**Class room:** Room C43

**Instructor:** Serge Richard

**Office:** Rm. 237 in Sci. Bldg. A

**E-mail:** richard@math.nagoya-u.ac.jp

**Office hour:** anytime, or by appointment

**Course:** Analysis is the field of mathematics that describes and analyzes quantitative changes, and the central methods are differential and integral calculus. These methods are essential techniques in natural science, and have recently found increasing applications also in social sciences. The aim of the second half of this one-year course is to provide a solid understanding of functions of several real variables.

**Homework:** There is no homework for this course. However, you are strongly encouraged to do all homework problems assigned to you during the Mathematics Tutorial IIa which is linked to this course.

**Quizzes:** Quizzes will be given randomly during the classes. They will not be announced.

**Grading Policy:** Your final grade will be determined by quizzes (30%), the midterm exam (30%) and the final exam (40%).

The grading scale will be **S:** 90-100, **A:** 80-89, **B:** 70-79, **C:** 60-69, **F:** 0-59.

**References:** Lecture notes and textbooks are indicated on the website of the course.

## **Class and Exam Dates:**

April 15, 22, 29

May 6, 13, 20, 27 (midterm exam)

June 10, 17, 24

July 1, 8, 15, 22, 29 (final exam)

**Advices:** • It is expected that you attend all lectures.

- All electronic devices have to be turned off and are prohibited on the tables.
- Prepare for class by (1) reviewing previously learned concepts from previous lectures, (2) completing the homework problems assigned in Mathematics Tutorial IIa.
- The instructor is here to help you. Please do not hesitate to contact me, earlier rather than later.
- The course website for Calculus II and Mathematics Tutorial IIa may be found at

<http://www.math.nagoya-u.ac.jp/~richard/spring2016.html> .