

# **MATH1010F University Mathematics**

## **Course Introduction**

**Prof. Gary Choi**

September 5, 2023

# Course information

- Lecturer:
  - **Prof. Gary Pui Tung CHOI** (email: [ptchoi@math.cuhk.edu.hk](mailto:ptchoi@math.cuhk.edu.hk), office: Lady Shaw Building LSB 204)
- Teaching Assistants:
  - **Mr. Xuanxuan ZHAO** (email: [xxzhao@math.cuhk.edu.hk](mailto:xxzhao@math.cuhk.edu.hk), office: Academic Building 1 AB1 614)
  - **Mr. Tao ZHOU** (email: [tzhou@math.cuhk.edu.hk](mailto:tzhou@math.cuhk.edu.hk), office: AB1 614)
- Lectures:
  - Tuesday 10:30am-12:15pm, YIA LT4
  - Thursday 1:30pm-2:15pm, YIA LT8
- Tutorials: Thursday 5:30pm-6:15pm, YIA LT8 (starting next week)
- Office Hours: (starting next week)
  - Gary: Tuesday 12:30pm-2:30pm, LSB 204
  - Xuanxuan: Friday 1:00pm-3:00pm, AB1 614
  - Tao: Friday 5:00pm-7:00pm, AB1 614

# Topics and resources

- Topics:
  - Limits (sequence, function)
  - Differentiation
  - Integration
- Course webpage:
  - (MATH1010 main course webpage) <https://www.math.cuhk.edu.hk/~math1010/>
  - (for MATH1010F-specific information) <https://www.math.cuhk.edu.hk/course/2324/math1010f>
- Lecture notes and extra exercise sets:  
<https://www.math.cuhk.edu.hk/~math1010/notes>  
(password required)
- MathGym  
<https://www.math.cuhk.edu.hk/student-centre/mathgym-faculty-tutor-qa-centre-mathematics>

# Assessment

- 10 WeBWork coursework exercises 10%
  - To be released every Thursday noon and submitted every next Friday online before 11:59am
  - <https://www.math.cuhk.edu.hk/~math1010/tutorial.html>
  - [https://webwork.math.cuhk.edu.hk/webwork2/MATH1010\\_202324T1/](https://webwork.math.cuhk.edu.hk/webwork2/MATH1010_202324T1/)
  
- 4 homework assignments 10% (Each 2.5%)
  - To be submitted via Gradescope (due date: **Oct 2, Oct 23, Nov 27, Dec 4**)
  - <https://www.math.cuhk.edu.hk/~math1010/homework.html>
  
- 2 quizzes 30% (Each 15%)
  - **October 19 (Thursday)** 5:30-6:30pm (usual tutorial time, location TBD)
  - **November 16 (Thursday)** 5:30-6:30pm (usual tutorial time, location TBD)
  
- Final exam 50%
  - Centralized, date and time TBD
  - In order to pass the course, you must write a final examination.
  
- Make-up policy:
  - WeBWork, Homework, Quizzes: NO make-up arrangement
  - Final exam: Centralized, follow the university policy

# Optional short review test for all MATH1010 sessions

- **Optional**
- September 7 (Thursday) 5pm-7pm
- 20 multiple-choice questions, to be completed using the online WeBWork platform  
[https://webwork.math.cuhk.edu.hk/webwork2/MATH1010\\_202324T1/](https://webwork.math.cuhk.edu.hk/webwork2/MATH1010_202324T1/)
- More information:  
[https://www.math.cuhk.edu.hk/~math1010/guideline\\_re.pdf](https://www.math.cuhk.edu.hk/~math1010/guideline_re.pdf)