

MATH1050/MATH1058 Assessment Scheme (Second Semester 2020-21)

Assessment components:

- **Basic Exercises:** 25 %
- **Proof-writing Exercises:** 20 %
- **Notes-compilation Exercise:** 15 %
- **Review Exercise:** 30 %
- **Special Exercise:** 10 %

Explanatory notes:

1. All components are of ‘take-home’ nature, and every piece of work is to be submitted online (most likely to the ‘Blackboard’). None involves invigilation (face-to-face or online), but some will require Veriguide receipt submission.
2. According to university policy, assessment is done by ‘criterion referencing’. The detail of the criteria for the various grades can be found in CUSIS.
 - (a) i. The grading for ‘Basic Exercises’ and ‘Proof-writing Exercises’ will be attuned to the criteria for the grades ‘C’, ‘D’.
 - ii. The grading for ‘Notes-compilation Exercise’ and ‘Review Exercise’ will be attuned to the criteria for the grades ‘A-’, ‘B’.
 - iii. The grading for ‘Special Exercise’ will be attuned to the criteria for the grade ‘A’.
3. **The percentages associated to the assessment components are meant as advice to the students on the relative amounts of efforts deemed appropriate for the respective components, over the whole semester.** (For instance, it may be good for a student to spend a slightly more amount of efforts, calculated over the whole semester, on ‘Basic Exercise’ than on ‘Notes-compilation Exercise’.) The percentage do not directly translate into grades.
4. More detail on the respective assessment components is given below. (Further detail, advice and instructions will be provided in due course.)
 - (a) **Basic Exercises.**

There will be approximately 12 ‘Basic Exercises’ over the semester, one for each week. The students are expected to submit the work on a ‘Basic Exercise’ within one week of its release.

Some questions in the ‘Basic Exercises’ may be released through WeBWorK. Information on WeBWorK will be provided in due course.

(b) **Proof-writing Exercises.**

There will be approximately 10 ‘Proof-writing Exercises’ over the first 12 weeks of the semester. The students are expected to submit the work on a ‘Proof-writing Exercise’ within one week of its release.

(c) **Notes-compilation Exercise.**

- i. There will be probably one ‘Notes-compilation Exercise’ over the semester.
- ii. Detail and guidance will be provided in due course (most likely after Week 4 of the semester), in the course homepage. The due date of the ‘Notes-compilation Exercise’ is likely to be the last week of the semester.

(d) **Review Exercise.**

There will be one ‘Review Exercise’, in the form of a problem set; most likely it will be released around Week 12 of the semester. The students are expected to submit the work on the ‘Review Exercise’ within two (or three) weeks of its release.

(e) **Special Exercise.**

- i. There will be one ‘Special Exercise’. A student who attempts this exercise will be required to study on his/her own a prescribed text on a piece of abstract and theoretical mathematics, of a difficulty level at the top-end in the scope of this course, and to write a report on the study.
The report is meant to demonstrate the student’s ability in comprehending such a piece of mathematics and the student’s command in the language of mathematics.
- ii. Detail and guidance will be provided in due course (most likely after Week 10 of the semester), in the course homepage. The due date of the exercise is likely to be some time around the beginning of the summer semester.