

Assessment components:

- **Assignments:** 12 %
- **Guided Study Exercises:** 8%
- **Quiz:** 30 %
- **Final Examination:** 50 %

Explanatory notes:

1. Criteria referencing.

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) The grading for ‘Assignments’, ‘Guided Study Exercises’ will be attuned to the criteria for all various grades below ‘B–’.
- (b) The design and the grading for ‘Quiz’ will be attuned to the criteria for all various grades below ‘A–’.
- (c) The design and the grading for ‘Final Examination’ will be attuned to the criteria for all various grades.

2. Assignments.

There will be approximately 14 ‘Assignments’ over the semester, one for each calendar week. The students are expected to submit the work on each ‘Assignment’, to ‘Gradescope’ through ‘Blackboard’, within one week of its release.

For the rules and the protocol on the preparation of the electronic file for submission, and the submission process at ‘Gradescope’, refer to the *Instructions on submissions of work to the ‘Gradescope’*.

3. Guided Study Exercises.

There will be approximately 4 ‘Guided Study Exercises’ over the semester, each on a specific topic that the students are supposed to study outside class time, under the guidance of the material (notes and videos) provided in the course homepage and in ‘Blackboard’.

The students are expected to submit the work on each ‘Guided Study Exercise’ no later than a specified deadline, to ‘Gradescope’ through ‘Blackboard’.

For the rules and the protocol on the preparation of the electronic file for submission, and the submission process at ‘Gradescope’, refer to the *Instructions on submissions of work to the ‘Gradescope’*.

4. Quiz.

- (a) There will be one quiz, conducted ‘face-to-face’ with invigilation:
 - Time: 1930-2115hrs, 16/03 Thursday (in Week 8). Venue: LSK LT6.
- (b) The question paper in the Quiz will be the same for MATH1050 and MATH1058.
- (c) The Quiz covers tentatively everything in the course up to and including Week 7 (the week ending on 10/03).
The exact coverage will be confirmed towards the end of Week 7.

- (d) Unless excused by the university, no student who fails to turn up at the appointed time and venue may take the quiz.

Unless authorized by the university, no alternative arrangement will be provided for a student fails to attend the quiz at the appointed time and venue.

5. Final Examination, and (optional) Essay Exercise.

- (a) The Final Examination is **mandatory**, in the sense that if a student fails in this assessment component, the student may be given the ‘F’ grade in the course, irrespective of the student’s performance in other assessment components.
- (b) The Final Examination will be arranged by the university. Most likely it will take place in late April or early May and be conducted ‘face-to-face’ with invigilation.
- (c) The question paper in the Final Examination will be the same for MATH1050 and MATH1058.
- (d) The Final Examination covers everything in the course.
- (e) Unless excused by the university, no student who fails to turn up at the appointed time and venue may take the Final Examination.

Unless authorized by the university, no alternative arrangement will be provided for a student fails to attend the Final Examination at the appointed time and venue.

- (f) **Essay Exercise (Optional).**

- i. There will be one ‘Essay 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 exercise is meant to demonstrate the student’s ability in comprehending abstract and theoretical mathematics and the student’s command in the language of mathematics.

- ii. Detail and guidance will be provided in due course (most likely in early March), in the course homepage. The due date of the exercise is likely to be some time around the beginning of the summer semester.
- iii. The grading for this component will be attuned to the criteria for ‘A’, ‘A-’.
- iv. The ‘Essay Exercise’ is **optional**. There is no penalty for not attempting the ‘Essay Exercise’. In principle, a student who does not attempt the ‘Essay Exercise’ can obtain full mark in the course, if the student gives a full-mark performance in every assessment component.

For a student who attempts the ‘Essay Exercise’ and performs satisfactorily, his/her score in the assessment component ‘Final Examination’ will be scaled up by a factor slightly greater than 1 during the calculation of his/her overall score in the course, ; the exact value of the factor will be decided by the student’s performance in the ‘Essay Exercise’. Detail will be released alongside that for the ‘Essay Exercise’ itself.

6. Proof-writing Exercises, and their relevance to Quiz and Final Examination.

- (a) There will be approximately 10 ‘Proof-writing Exercises’ over the first 12 weeks of the semester.

The purpose of the ‘Proof-writing Exercises’ is to give you some training in the writing of proofs, and to give you some ideas on how your work on proof-type questions will be marked in the ‘Quiz’ and the ‘Final Examination’.

- (b) Work on ‘Proof-writing Exercises’ is **optional**; it does not count in the overall assessment.

7. Contingency arrangements.

The content of this scheme (the assessment components, the weighing of the components, and the content and arrangements in the individual component) is subject to change in the case of suspension of ‘face-to-face teaching’ and/or ‘face-to-face assessments’.