

Guidelines for Qualifying Examination (QE)

- The examination covers *one compulsory subjects plus two of the elective subjects*:
- Compulsory course:
 - *MATH2003: Mathematical Analysis I*
- Each student is required to choose one of the following streams
 1. Mathematical Physics
 2. Numerical Analysis
 3. Probability and Statistics
- Elective courses for **Mathematical Physics** stream (Choose two of the following subjects):
 1. *MATH1004: Geometry*
 2. *MATH3004: Partial Differential Equation*
 3. *MATH3027: Functional Analysis*
- Elective courses for **Numerical Analysis** stream (Choose two of the following subjects):
 1. *MATH1001: Linear Algebra I*
 2. *MATH2007 Numerical Analysis*
 3. *MATH4005 Numerical Methods for Differential Equations*
- Elective courses for **Probability and Statistics** stream (Choose two of the following subjects):
 1. *MATH2005 Probability*
 2. *MATH2006 Applied Statistics*
 3. *MATH3002 Introduction to Stochastic Process*
- Students need to answer 3 questions in total, each question carries equal score
- Total score: 120@40 each, Passing grade: ≥ 80
- **Timeline and general rules:**
 - The QE will take place in *November and April*;
 - Students submit their choice of subject exam *before their 2nd semester starts*;
 - Course Instructors prepare the exam paper at the *beginning of every semester* for Exam Committee's review
 - Exam Committee confirm every exam paper by the *beginning of November and April*;
 - Course Instructor review exam paper of their subjects and Exam Committee confirm all the results by the *end of semester (December and May)*