Guidelines for the Qualifying Examination

For Students with Student ID 67 Onwards

Doctor of Philosophy Program in Materials Engineering

Department of Materials Engineering, Faculty of Engineering, Kasetsart University

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1. Eligibility

Students must have submitted their dissertation proposal through the Graduate School system and obtained official approval from the Graduate School prior to applying for the Qualifying Examination.

2. Recommended Timeline

Students are expected to undertake the Qualifying Examination within the 4th semester and should not exceed the 6th semester.

3. Examination Format

The Qualifying Examination shall be conducted as an open oral examination, focusing on theoretical knowledge relevant to the student's dissertation research.

- The total examination duration shall be no less than 3 hours.
- The student shall deliver a seminar presentation (in a teaching format) for no less than 1 hour and 30 minutes.
- The examination committee shall conduct questioning and assess the student's understanding for no less than 1 hour and 30 minutes.

4. Composition of the Examination Committee

The Examination Committee shall consist of **at least three members**, in accordance with the guidelines of the Graduate School.

4.1 Principal Thesis Advisor

Serves as the Chair of the Examination Committee.

4.2 Co-Thesis Advisor

Serves as a member of the Examination Committee.

4.3 Program Chair/Program Coordinator

Serves as a member of the Examination Committee and as a representative of the Graduate School. The Graduate School will appoint an additional representative for the interview examination.

5. Application Procedure

Students must submit an application for the Qualifying Examination at least one month in advance to the Program Chair, through the departmental officer (Ms. Pitchayawadee), together with the following documents:

5.1 Application form for the Qualifying Examination (as specified by the department)

5.2 A comprehensive report of all theoretical foundations relevant to the research, prepared in the form of instructional/teaching materials (book format)

5.3 A progress report of the dissertation and/or published research works

Upon approval of the theoretical content by the program committee, the examination will be authorized. The department will then proceed with the nomination of the examination committee to the Graduate School for official appointment.

6. Post-Approval Procedures

After receiving approval from the program, the student must proceed in accordance with Graduate School regulations by submitting Form GS.06 (Comprehensive/Qualifying Examination Request) in order to:

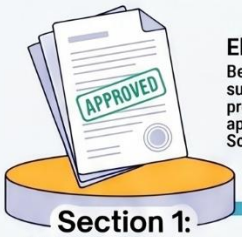
- Appoint the examination committee
- Schedule the date, time, and venue of the examination
- Publicize the examination for interested attendees

7. Evaluation of Examination

7.1 **Fail**: In the case of an unsuccessful result, the student is permitted to reapply for the examination once within 60 days from the date of the first examination.

7.2 **Conditional Pass**: In the case of a conditional pass, the student must complete all required revisions within one week after the examination, or before the deadline for submission of the examination results to the Graduate School.

Roadmap to Success: Your Doctoral Qualifying Examination (QE) Guide



Section 1: Pre-requisites & Timing

Eligibility First

Before applying, you must have submitted your dissertation proposal and received official approval from the Graduate School system.



The Ideal Window

Aim to take your QE during your 4th semester; however, it must be completed no later than your 6th semester.

4th semester — 6th semester

Section 2: The Application Procedure





- Departmental Application Form
- Research Progress Report
- Comprehensive Theoretical Report (Instructional Book Formal)



Required Documentation

1-Month Advance Notice

Submit your application to the Program Chair through the departmental officer (Ms. Pitchayawades) at least 30 days before your intended date.

Administrative Approval

Once the program committee approves your theoretical content, you must submit Form GX 06 to the Graduate School to officially appoint the committee and schedule the venue.

Section 3: The Examination Committee

Minimum of 4 Members



3-Hour Oral Examination

The exam is an open oral session focused on theoretical knowledge relevant to your specific dissertation research.



1.5 Hours: Teaching Seminar

The first half of the exam requires the student to deliver a presentation in a formal instructional or teaching format.

1.5 Hours: Questioning

The second half consists of the committee questioning the student to assess their depth of understanding and theoretical mastery.

Section 5: Evaluation Results



Conditional Pass

You must complete all required revisions within one weak of the examination or before the Graduate School result deadline.





Fail & Retake Option

If unsuccessful, you are permitted one re-application for the examination, which must be completed within 60 days of the first attempt.

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