

Degree examination criteria, etc.

Degree examination criteria

Master's Course

The examination is based on (i) the detailed contents of a master's thesis or thematic research report, and (ii) an oral presentation and (iii) an oral interview based on the thesis or report. Novelty and applicability are important factors in the master's thesis. The examination checks that:

1. Students understand the background and objectives of their research.

2. Knowledge regarding the research project is well organized.

e.g. introduction in the thesis, explanations of basic knowledge, relevant research, significance of the research project

3. The research procedures and method have been carefully developed.

Principles and methods used as references in solving problems in the research project

Validity and appropriateness of newly proposed methods

Applicability and evaluation of newly proposed methods

4. Proposed equations and obtained data, if any, are accurate and properly organized.

The data is suited for the research objectives and research methods.

Figures and tables represent research results properly.

5. Results obtained and unresolved challenges have been discussed.

Research objectives have been attained.

The conclusion shows novelty and importance.

The necessity and vision of future research have been described.

6. Appropriate references are used.

7. The thesis and oral presentation are organized logically and clearly.

Doctoral Course

A doctoral thesis requires novelty and applicability, and at least part of the doctoral thesis must have been published or will be published as a peer-reviewed scientific journal or book or at an international conference with a peer review system, etc. A doctoral thesis is expected to fulfill requirements 1–7 set forth in the Master's Course, and also be disseminated to society and make a social contribution.

The examination is based on the detailed contents of the doctoral thesis, an oral presentation at a public hearing, and a final examination. The examination checks that:

1. At least part of the doctoral thesis has been published.
2. The thesis is characterized by novelty on a global scale.
3. Newly proposed principles and methods are expected to be effectively applied in society.
4. The doctoral thesis has the potential for future development.