

Criteria for Thesis/Dissertation Defense, etc.

Criteria for Thesis/Dissertation Defense

Master's Program

Students give oral presentations and are questioned on the content of their master's thesis. Students in the Bio-Expert Course must submit a Research Thesis or Theme Thesis. Students in the Frontier Bio Course must write and submit a research Dissertation. The criteria are as follows.

- **Does the student have adequate understanding of the purpose of the research?**
- **Did the student organize and explain the background, significance, and knowledge of the research theme?**

The introduction of the thesis or presentation should include a brief but concise description of the basic knowledge that is useful for understanding the research, an explanation of related research work, their reason for choosing the topic, or the expected significance once the theme is achieved.

- **Did the student understand and examine the research plan and method?**

The purpose of the research should be briefly mentioned in the introduction by providing an overview of the research. Referenced literature must be listed in detail on the research method and material so that they are obtainable.

- **Did the student fully organize and analyze experimental data and research results?**

The purpose and methods of the research for each item should be provided briefly so that the paper is not just a list of data. The title of each item should be structured so that it reflects the content. Figures and tables should be given clear and sufficient explanation.

- **Did the student develop a hypothesis and conclusion based on the results?**

The purpose of the research should be verified briefly against the actual achievements according to the points mentioned in the introduction. The potential for a new hypothesis and interpretation, or the novelty and importance of the conclusion should be featured. Whether further research is required or the direction that it is going should be examined as well.

- **Did the student cite literature properly?**
- **Did the student structure his/her paper or oral presentation in a logical and easy-to-understand way?**

Doctoral Program

Students give an oral presentation and are questioned on the content of the doctoral dissertation. The submission of a Defense Request and the ensuing procedure are detailed in the requirements for completing the doctoral program. The criteria are as follow.

- **Is the purpose of the research rational and unique?**
- **Is the student's knowledge of the background and significance of the research topic sufficient as an expert?**

The introduction of the thesis or presentation should include a brief but concise description of the basic knowledge that is useful for understanding the research, an explanation about related research work, the reason for choosing the topic, or the expected significance once the theme is achieved.

- **Did the student examine and describe the research plan and method?**

The purpose of the research should be mentioned in the introduction briefly by showing an overview of the research. Referenced literature must be listed in detail on the research method and material so that they are obtainable.

- **Did the student fully organize and analyze experimental data and research results?**

The purpose and methods of the research for each item should be provided briefly so that the paper is not just a list of data. The title of each item should be structured so that it reflects the content. Figures and tables should be given clear and sufficient explanation.

- **Did the student develop a hypothesis and conclusion based on the results?**

- **Would the result of the research contribute academically and in actual application?**

The purpose of the research should be verified briefly against the actual achievement according to the points mentioned in the introduction. The potential for a new hypothesis and interpretation, or the novelty and importance of the conclusion should be featured. Whether further research is required or the direction that it is going should be examined as well.

- **Did the student cite literature properly?**

- **Did the student structure his/her paper or oral presentation in a logical and easy-to-understand way?**