

2.2. Thesis Review Criteria (Information Systems Science Major)

2.2.1. Master's Thesis

A master's thesis is the result of a research that an applicant has worked on independently and must be original and contributable to the development of the foundation or application of information systems science or related fields. The review will be conducted on the following items, based on the content of the thesis and the presentation at the master thesis presentation:

- The background and purpose of the research are appropriately described using excerpts from related theses.
- The originality of the research is sufficiently explained.
- The research method is sufficiently explained.
- The evaluation of research results is appropriate and sufficient, and the discussions of them has been developed.
- The thesis is logically structured, and the notation and wording are appropriate and clear.
- The oral presentation for the thesis was given appropriately, and the defense was sufficient.

Each reviewer will score achievement levels for respective evaluation items based on the following table and calculate the total score. If the average value of the total score of the chief reviewer and those of two sub-reviewers is 70 or more, the review result will be "pass."

Achievement Level	Score
5	20
4	18
3	16
2	14
1	10

○ Evaluation Item 1

- The background and purpose of the research are appropriately described using excerpts from related theses.

Achievement Level	Evaluation
5	The description of the background and purpose of the research is highly clear and appropriate.
4	The description of the background and purpose of the research is clear and appropriate.
3	The description of the background and purpose of the research is appropriate.
2	The description of the background and purpose of the research is mostly appropriate.
1	The background and purpose of the research are unsound and unclear.

○ Evaluation Item 2

- The originality of the research is sufficiently explained.

Achievement level	Evaluation
5	The explanation of the originality of the research is highly accurate and appropriate.
4	The explanation of the originality of the research is accurate and appropriate.
3	The explanation of the originality of the research is appropriate.
2	The explanation of the originality of the research is mostly appropriate.
1	The explanation of the research originality includes many insufficient or unclear parts.

○ Evaluation Item 3

- The research method is sufficiently explained.

Achievement level	Evaluation
5	The explanation of the research method is highly accurate and appropriate.
4	The explanation of the research method is accurate and appropriate.
3	The explanation of the research method is appropriate.
2	The explanation of the research method is mostly appropriate.
1	The explanation of the research method includes many insufficient or unclear parts.

○ **Evaluation Item 4**

- The evaluation of research results is appropriate and sufficient, and the discussions of them has been developed.

Achievement level	Evaluation
5	The development of the evaluation and discussions of the research is highly appropriate and sufficient.
4	The development of the evaluation and discussions of the research is appropriate and sufficient.
3	The evaluation and discussions of the research are appropriate.
2	The evaluation and discussions of the research is mostly appropriate.
1	A significant portion of the evaluation and discussions of the research is insufficient or inappropriate.

○ **Evaluation Item 5**

- The thesis is logically structured, and the notation and wording are appropriate and clear.

Achievement level	Evaluation
5	The structure of the thesis is highly logical, and the notations and wording are appropriate and clear.
4	The structure of the thesis is logical, and the notations and wording are appropriate and clear.
3	The structure of the thesis is logical, and the notations and wording are appropriate.
2	The structure of the thesis is mostly logical, and the notations and wording are almost appropriate.
1	The structure of the thesis is illogical, and a significant portion of notations and wording is unclear.

2.2.2. Doctoral Dissertation

A doctoral thesis must be the result of an applicant that has produced independently and must be original and contributable to the development of the foundation or application of information systems science or related fields. It must also include academically assessed content, such as the content published in academic journals with a peer-review system. The review will be conducted on the following items, based on the content of the thesis and the presentation at a dissertation defense:

- The background and purpose of the research are appropriately described using excerpts from related theses.
- The novelty, originality, importance, and impact of the research are sufficiently explained.
- The research method is sufficiently explained.
- The evaluation of research results is appropriate and sufficient, and the discussions of them has been developed.
- The thesis is logically structured, and the notation and wording are appropriate and clear.
- The oral presentation for the thesis was given appropriately, and the defense was sufficient.

Each reviewer will score achievement levels for respective evaluation items based on the following table and calculate the total score. If the average value of the total score of the chief reviewer and those of two sub-reviewers is 70 or more, the review result will be "pass."

Achievement level	Score
5	20
4	18
3	16
2	14
1	10

○ **Evaluation Item 1**

- The background and purpose of the research are appropriately described using excerpts from related theses.

Achievement level	Evaluation
5	The description of the background and purpose of the research is highly accurate and appropriate.
4	The description of the background and purpose of the research is accurate and appropriate.
3	The description of the background and purpose of the research is appropriate.
2	The description of the background and purpose of the research is mostly appropriate.
1	The background and purpose of the research are unsound and unclear.

○ **Evaluation Item 2**

- The novelty, originality, importance, and impact of the research are sufficiently explained.

Achievement level	Evaluation
5	The explanation of the novelty, originality, importance, and impact of research is highly accurate and appropriate.
4	The explanation of the novelty, originality, importance, and impact of research is accurate and appropriate.
3	The explanation of the novelty, originality, importance, and impact of research is appropriate.
2	The explanation of the novelty, originality, importance, and impact of research is mostly appropriate.
1	The explanation of the originality of the research includes many insufficient or unclear parts.

○ **Evaluation Item 3**

- The research method is sufficiently explained.

Achievement level	Evaluation
5	The explanation of the research method is highly accurate and appropriate.
4	The explanation of the research method is accurate and appropriate.
3	The explanation of the research method is appropriate.
2	The explanation of the research method is mostly appropriate.
1	The explanation of the research method includes many insufficient or unclear parts.

○ **Evaluation Item 4**

- The evaluation of research results is appropriate and sufficient, and the discussions of them has been developed.

Achievement level	Evaluation
5	The development of the evaluation and discussions of the research is highly appropriate and sufficient.
4	The development of the evaluation and discussions of the research is appropriate and sufficient.
3	The evaluation and discussions of the research are appropriate.
2	The evaluation and discussions of the research is mostly appropriate.
1	A significant portion of the evaluation and discussions of the research is insufficient or inappropriate.

○ **Evaluation Item 5**

- The thesis is logically structured, and the notation and wording are appropriate and clear.

Achievement level	Evaluation
5	The structure of the thesis is highly logical, and the notations and wording are appropriate and clear.
4	The structure of the thesis is logical, and the notations and wording are appropriate and clear.
3	The structure of the thesis is logical, and the notations and wording are appropriate.
2	The structure of the thesis is mostly logical, and the notations and wording are almost appropriate.
1	The structure of the thesis is illogical, and a significant portion of notations and wording is unclear.