

Rules for the Completion of the Bachelor's Research Project/Thesis

1. In the eighth semester of study, a bachelor's student prepares a bachelor's research project/thesis (hereinafter – the bachelor's thesis).
2. A prerequisite for the bachelor's thesis may be the completion of the relevant practicum or another component provided for by the bachelor's program.
3. The thesis must contain research. It must briefly set out the research objective, the problem posed, and the ways of solving it.
4. The volume of the bachelor's thesis, excluding appendices, must be no less than 15 pages. All pages must be numbered sequentially; leaving blank spaces or blank pages is not permitted. The text must be printed on A4-format (297×210 mm) paper with a density of 80 g/m², in Sylfaen font, size 12. The minimum font size for page numbers and footnotes is 10. A larger font size may be used for the titles of chapters and subchapters. The line spacing for the main body of the thesis is 1.5. The text must be printed on one side of the page only. A margin of 30 mm must be left on the left side of the page, and 20 mm on each of the other sides. The text must be printed on a laser printer, or with quality comparable to it.
5. The supervisor of the bachelor's thesis may be a person holding at least a master's academic degree: a professor, associate professor, assistant professor, assistant, senior teacher, or teacher, including a visiting or emeritus one, or a chief/senior scientific staff member or scientific staff member of an independent scientific-research unit of GTU (institute, center).
6. The student is assessed through interim and final (defense) forms of assessment.
7. The bachelor's thesis supervisor assesses the student based on the work performed during weeks 8–12 and enters the interim assessment score into the relevant electronic grade record.
8. The scaled score of the interim assessment of the bachelor's thesis is obtained using the formula: $S = 6 \times M$ (points), where M is the score of the interim assessment of the bachelor's thesis.
9. The maximum assessment for the bachelor's thesis is 30 points; the minimum passing score is 15 points.
10. The criteria for the interim assessment are as follows (maximum assessment 5 points):
 - 5 points – the thesis is presented in a comprehensive manner; it sets out the research objective, poses the problem and the way of solving it; the terminology is correct and adequate;
 - 4 points – the thesis is presented in a comprehensive manner; it sets out the research objective, poses the problem and the way of solving it; there are flaws in the terminology;
 - 3 points – the thesis contains flaws of a technical nature. The research objective is set out, the problem is posed, but the way of solving it is not clearly presented; the terminology is satisfactory;

2 points – the thesis is presented with significant flaws. The research objective, the problem posed, and the way of solving it are not clearly presented; the terminology is satisfactory;

1 point – the thesis is unsatisfactory. The research objective, the problem posed, and the way of solving it are not clearly formulated. The terminology is inaccurate;

0 points – the thesis has not been presented.

11. The student submits the completed thesis (in the form of “documentary material”) to the supervisor during the week preceding the final examinations, and prepares for the defense. The thesis, signed by the supervisor, is handed over to the bachelor's thesis defense committee.

12. A student who fails to obtain the minimum passing score in the interim assessment, or who fails to submit the completed bachelor's thesis as “documentary material” on time, shall not be admitted to the defense.

13. The bachelor's thesis is assessed by a committee of three members, approved by order of the dean upon nomination by the academic department, which may include a person holding at least a master's academic degree: a professor, associate professor, assistant professor, assistant, senior teacher, or teacher, including a visiting or emeritus one, or a chief/senior scientific staff member or scientific staff member of an independent scientific-research unit of GTU (institute, center). The committee elects a chairperson and a secretary from among its members. The chairperson of the committee must be a member of GTU's academic staff. The bachelor's thesis supervisor must attend the defense of the thesis.

14. The student gives a presentation of the bachelor's thesis (10–15 minutes), followed by a question-and-answer session (discussion). During the defense, the student must answer the questions posed by those present.

15. Each member of the committee assesses the student according to three components: the content and formatting of the bachelor's thesis, the presentation, and the question-and-answer session.

16. The scaled score for the defense of the bachelor's thesis is obtained using the formula: $S = 5 \times M$ (points), where M is the arithmetic mean of the sums of the assessments made by each member of the committee.

17. The maximum assessment for the defense of the bachelor's thesis is 70 points; the minimum passing score is 21 points.

18. The criteria for the final assessment, by component, are as follows:

18.1. Content and formatting of the bachelor's thesis (maximum assessment 6 points):

6 points – the thesis is presented in a comprehensive manner; the research conducted corresponds to the objective; the problem is fully solved and the chosen way of solving it is correctly implemented. The terminology is correct. The quality of formatting is high;

5 points – the thesis is presented in a comprehensive manner; the research conducted corresponds to the objective; the problem posed is solved and the chosen way of solving it

is correctly implemented. The terminology is correct; the quality of formatting is good;

4 points – the thesis is presented in a comprehensive manner; the research conducted corresponds to the objective; the problem posed is solved and the chosen way of solving it is almost correctly implemented. There are isolated flaws in the terminology. The quality of formatting is acceptable;

3 points – the thesis contains flaws of a technical nature. The research conducted corresponds to the objective; the problem posed is only partially solved. The terminology is satisfactory. The quality of formatting is satisfactory;

2 points – the thesis is presented with significant flaws. The research conducted does not fully correspond to the objective; the problem posed is incompletely solved. The terminology is acceptable. The formatting contains flaws;

1 point – the thesis is unsatisfactory. The research conducted does not correspond to the objective; the problem posed is incompletely solved. The terminology is inaccurate. The formatting is unsatisfactory;

0 points – the thesis has not been presented.

18.2. Presentation (maximum assessment 5 points):

5 points – the report given at the presentation is comprehensive; the terminology is correct;

4 points – the report given at the presentation is acceptable, but there are flaws in the terminology;

3 points – the report given at the presentation contains flaws of a technical nature; the terminology is satisfactory;

2 points – the report given at the presentation contains significant flaws; the terminology is acceptable;

1 point – the report given at the presentation is unsatisfactory; the terminology is inaccurate;

0 points – the presentation did not take place.

18.3. Question-and-answer session (maximum assessment 3 points):

3 points – the answers given to the questions are comprehensive;

2 points – the answers given to the questions contain isolated flaws;

1 point – the answers given to the questions partially correspond to the questions posed;

0 points – the answers given to the questions are inadequate and not acceptable.

19. A student who fails to obtain the minimum passing score at the defense and/or accumulates a total of 41–50 points shall be admitted to a repeat defense within the additional examination period. If such a student fails to obtain the minimum passing score at the repeat defense (regardless of the total points accumulated), or fails to accumulate a total of 51 or more points, the bachelor's thesis will have to be completed anew. The student may be granted the right to complete the same topic in the following semester.

20. The results of the defense are recorded in the form of minutes (protocol), signed by the chairperson and members of the committee.

21. The supervisor shall enter into the electronic grade record, within the established deadlines, information on the submission of the bachelor's thesis and the assessment given at the defense.