

Master's Programme in Mechanical Engineering

Masterprogram i maskinteknik 120 credits

6MMEC

Valid from: 2026 Spring semester

Determined by

Board of Studies for Mechanical Engineering and Design

Date determined

2025-08-28

Revised by

Revision date

Registration number

LiU-2025-03949

Offered first time

Autumn semester 2007

Offered for the last time

Replaced by

Purpose

A Master of Science in Mechanical Engineering from Linköping University works with all aspects of the realization of complex products and industrial processes. A graduate from this program will be able to take part in multidisciplinary design processes where technical as well as economical, environmental and sustainability requirements are satisfied.

The programme is aimed at students with a Bachelor degree who would like to extend their knowledge in mechanical engineering and engineering science. Graduates are suitable for employment in industry, business, academic institutions and at major research/development laboratories.



Aim

Disciplinary knowledge and reasoning

The graduated student from Master's Programme in Mechanical Engineering

- should have solid foundations in mathematics and engineering science
- should be able to use computer effectively to model and analyze engineering problems as well as to visualize results
- should have a specialized knowledge in one area of mechanical engineering

Personal and professional skills

The graduated student from Master's Programme in Mechanical Engineering

- should have the ability to take a leading role in modern research and engineering
- should be able to gain competency in new fields of engineering, rapidly and independently
- should be able to participate effectively in multidisciplinary design teams, either as team leader or in a specialist role

Interpersonal skills: Teamwork and communication

The graduated student from Master's Programme in Mechanical Engineering

- should be capable of teamwork and collaborate actively within the group by sharing in the tasks and responsibilities
- should be able to initialize, to plan, to carry out and to evaluate scientific and engineering projects
- should be able to communicate and to give presentations in english, orally and in writing

Planning, execution, and presentation of research or development projects with respect to scientific and societal needs and requirements

The graduated student from Master's Programme in Mechanical Engineering has knowledge about suitable development processes for different kinds of research or development projects and is able to participate and actively contribute to all phases of research or development projects, including identification of needs, structuring, planning, execution and presentation of projects, taking into account the importance of technology in society, including economic, social, and sustainable development.



Content

The first semester includes a common base in mechatronics, product development, computational mechanics and engineering materials. Thereafter the student selects a specialization with advanced courses as well as freely elective courses. The programme ends with a one semester Master's thesis in industry or at the university. After the programme the students will be attractive both to industry and to academia.

Education profiles

The following specialisation areas are offered in the programme curriculum. If a specialisation requirement is fulfilled the specialisation will be included in the Degree Certificate.

- Applied Mechanics
- Engineering Design and Product Development
- Engineering Materials
- Mechatronics
- Manufacturing Engineering

In order to meet the specialisation requirement, 42 hp of the mandatory and elective courses in the degree must be within the specialization. There is an additional requirement for two of the specialisations:

- Mechatronics: TMHP51 must be chosen in semester 1
- Applied Mechanics: TMHL41 must be chosen in semester 1

Teaching and working methods

The programme is campus-based.

Entry requirements

- A bachelor's degree equivalent to a Swedish Kandidatexamen with a major in mechanical engineering, or equivalent.
- 30 ECTS credits in mathematics/applied mathematics and/or application of mathematics relevant for the programme.
- A course in basic programming.
- English corresponding to the level of English in Swedish upper secondary education (Engelska 6 or Engelska nivå 2). Exemption from Swedish.



Degree thesis

The thesis should be based on the high quality scientific content and carried out in close contact with the research groups involved in the programme and in the area of the profile chosen by the students. The main field of study of the Thesis work should be Mecanical Engineering.

Degree requirements

The programme is designed to give the Master's Degree "Teknologie masterexamen i maskinteknik" translated to "Degree of Master of Science (120 credits) with a major in Mechanical Engineering".

The requirements are the following:

- a Bachelor's degree as specified in the entrance requirements
- course requirements for a total of 120 ECTS credits from courses from the curriculum of the programme, or after special decision from the programme board, including the thesis work.
- passed the requirements for all compulsory courses
- courses on advancement level A (advanced) 90 ECTS credits including:
 - at least 30 ECTS credits courses from the main field of study (Mechanical Engineering)
 - a 30 ECTS credits Master's Thesis in the main field of study (Mechanical Engineering)
- a Master's thesis in major subject Mecanical Engineering presented and passed as per Linköping Institute of Technology degree regulations.

Courses overlapping each other regarding contents are not allowed to be included in the degree. Courses used for the Bachelor's degree can never be included in the Master's degree

Degree in Swedish

Teknologie masterexamen med huvudområde Maskinteknik

Degree in English

Degree of Master of Science (120 credits) with a major in Mechanical Engineering

Specific information

Graduate Level Courses

Certain PhD courses can be taken by master students. These course selections are subject to formal decision by the executive committee of the Program Board.



Common rules

See the Common rules tab regarding eligibility, admission, leave, postponement, study breaks or admission to later part of the education program.

Deviations from programme syllabus

If special circumstances prevail, the vice-chancellor may in a special decision specify the preconditions for temporary deviations from this programme syllabus, and delegate the right to take such decisions.



Curriculum

Semester 1 (Autumn 2026)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMHP02	Fluid Power Systems	6	G2F	2	С
TMKT78	Product Development	6	G2F	1	С
Period 2					
TMHL63	Introduction to Computational Mechanics	6	G2F	3	С
ТМКМ90	Engineering Materials - Deformation and Fracture	6	A1N	2	С
TMHL41	Continuum Mechanics	6	A1N	4	C/E
TMHP51	Hydraulic Servo Systems	6	A1N	4	C/E
TMPS31	Sustainable Manufacturing	6	A1N	1	C/E

Semester 2 (Spring 2027)

Preliminary courses

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMHL62	The Finite Element Method, Advanced Course	6	A1N	4	E
TMKO01	Advanced Materials and the Environment	6	A1N	2	Е
TMKO04	Composite Materials	6*	A1N	1	Е
TMKT48	Design Optimization	6	A1N	3	E
TMKT74	Advanced CAD	6	A1N	4	E
TMMS21	Mechatronics	6	G2F	1	E
TMMS30	Multi Body Dynamics and Robotics	6	A1N	1	Е
TMMV08	Computational Fluid Dynamics	6	A1N	3	E
TMPS22	Assembly Technology	6	A1N	3	Е
TMQU31	Statistical Quality Control	6	A1N	2	E
TPPE78	Quantitative Models and Analysis in Operations Management	6	A1N	1	E
Period 2					
TKMJ29	Resource Efficient Products	6	A1N	1	E



Course code	Course name	Credits	Level	Timetable module	ECV
TMHL61	Damage Mechanics and Life Analysis	6	A1N	2	E
ТМНР06	Fluid Power Systems, Advanced Course	6	A1N	2	E
TMKO03	Metals for Lightweight Applications	6	A1N	3	E
TMKO04	Composite Materials	6*	A1N	4	E
TMKO06	Biopolymers and Biocomposites	6	A1N	2	E
TMKT57	Product Modelling	6	A1N	3	E
TMME11	Road Vehicle Dynamics	6	A1N	1	E
TMME19	Mechanics, Second Course	6	A1N	1	E
TMMV07	Computational Fluid Dynamics, advanced course	6	A1F	4	E
TMMV63	Computational Aerodynamics	6	A1F	3	E
TMPR05	Advanced production processes and systems	6	A1N	3	E
TMQU04	Six Sigma Quality	6	A1F	2	E
TPPE74	Design and Development of Manufacturing Operations	6	A1F	4	E
TSFS03	Vehicle Propulsion Systems	6	A1N	4	E
TSFS19	Battery Systems	6	A1N	2	E

$Specialisation: Applied\ Mechanics-Preliminary\ courses$

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMHL62	The Finite Element Method, Advanced Course	6	A1N	4	E
TMKO04	Composite Materials	6*	A1N	1	Е
TMMS30	Multi Body Dynamics and Robotics	6	A1N	1	E
TMMV08	Computational Fluid Dynamics	6	A1N	3	Е
Period 2					
TMHL61	Damage Mechanics and Life Analysis	6	A1N	2	E
TMKO04	Composite Materials	6*	A1N	4	Е
TMME11	Road Vehicle Dynamics	6	A1N	1	E
TMMV07	Computational Fluid Dynamics, advanced course	6	A1F	4	E
TMMV63	Computational Aerodynamics	6	A1F	3	Е



$Specialisation: Engineering\ Design\ and\ Product\ Development-Preliminary\\ courses$

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMKT48	Design Optimization	6	A1N	3	E
TMKT74	Advanced CAD	6	A1N	4	E
Period 2					
TKMJ29	Resource Efficient Products	6	A1N	1	E
TMKT57	Product Modelling	6	A1N	3	E

$Specialisation: Engineering\ Materials-Preliminary\ courses$

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMKO01	Advanced Materials and the Environment	6	A1N	2	E
TMKO04	Composite Materials	6*	A1N	1	Е
Period 2					
TMHL61	Damage Mechanics and Life Analysis	6	A1N	2	Е
TMKO03	Metals for Lightweight Applications	6	A1N	3	E
TMKO04	Composite Materials	6*	A1N	4	E
TMKO06	Biopolymers and Biocomposites	6	A1N	2	E

$Specialisation: Manufacturing\ Engineering-Preliminary\ courses$

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMPS22	Assembly Technology	6	A1N	3	С
TMQU31	Statistical Quality Control	6	A1N	2	E
Period 2					
TMPR05	Advanced production processes and systems	6	A1N	3	С
TMQU04	Six Sigma Quality	6	A1F	2	E



Specialisation: Mechatronics-Preliminary courses

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMMS21	Mechatronics	6	G2F	1	E
TMMS30	Multi Body Dynamics and Robotics	6	A1N	1	E
Period 2					
TMHP06	Fluid Power Systems, Advanced Course	6	A1N	2	Е
TMME11	Road Vehicle Dynamics	6	A1N	1	E
TSFS03	Vehicle Propulsion Systems	6	A1N	4	E

Semester 3 (Autumn 2027)

Preliminary courses

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TDDE18	Programming C++	6*	G2F	2	E
TDDE56	Foundations of AI and Machine Learning	6*	G2F	2	Е
TEIO32	Project Management and Organization	6*	G2F	3	E
TKMJ31	Biofuels for Transportation	6	A1N	1	E
TMAL02	Aircraft and Vehicle Design	6	G2F	4	Е
TMHL03	Mechanics of Light Structures	6	A1N	4	E
TMHL19	Advanced Material and Computational Mechanics	6	A1F	1	E
TMKM16	Sustainable Material Selection	6	A1N	4	Е
TMKO02	Engineering Materials and Manufacturing Technology	6	A1N	2	E
TMKT79	Collaborative Multidisciplinary Design Optimization	6	A1F	2	E
TMME14	Machine Elements, Second Course	6	A1N	3	E
TMME40	Vibration Analysis of Structures	6	A1N	3	E
TMME67	Musculoskeletal Biomechanics and Human Movements	6	A1N	2	E
TMMV01	Aerodynamics	6	A1N	3	E
TMMV12	Gas Turbine Engines	6	A1F	4	E
TMMV18	Fluid Mechanics	6	A1N	1	E



Course code	Course name	Credits	Level	Timetable module	ECV
TMPR07	Virtual Manufacturing	6	A1N	4	E
TMPS27	Production Systems	6	A1N	3	Е
TSFS12	Autonomous Vehicles - Planning, Control, and Learning Systems	6	A1N	1	E
TMPP02	Project Course - Race Vehicle Engineering	6*	G1F	-	V
Period 2					
TAMS11	Probability and Statistics, First Course	6	G2F	4	E
TDDE18	Programming C++	6*	G2F	1	E
TDDE56	Foundations of AI and Machine Learning	6*	G2F	1	E
TEIO32	Project Management and Organization	6*	G2F	1	E
TMHP03	Engineering Systems Design	6	A1N	4	E
TMKA11	Model-based System-of-Systems Engineering	6	A1N	3	E
TMKO05	Additive Manufacturing for Industrial Applications	6	G2F	3	E
TMME50	Flight Mechanics	6	A1N	2	E
TMME68	Dynamics of Rotating Systems	6	A1N	2	E
TMMS20	Structural Optimization	6	A1N	3	E
TMMV62	Computational Heat Transfer	6	A1N	1	E
TMPS31	Sustainable Manufacturing	6	A1N	1	E
TMPP02	Project Course - Race Vehicle Engineering	6*	G1F	-	V



$Specialisation: Applied\ Mechanics-Preliminary\ courses$

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Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMPM10	Project Course Advanced - Applied Mechanics	12*	A1F	-	С
TMHL03	Mechanics of Light Structures	6	A1N	4	E
TMHL19	Advanced Material and Computational Mechanics	6	A1F	1	E
TMME14	Machine Elements, Second Course	6	A1N	3	E
TMME40	Vibration Analysis of Structures	6	A1N	3	E
TMME67	Musculoskeletal Biomechanics and Human Movements	6	A1N	2	E
TMMV01	Aerodynamics	6	A1N	3	E
TMMV12	Gas Turbine Engines	6	A1F	4	E
TMMV18	Fluid Mechanics	6	A1N	1	E
TMMV59	Applied Computational Fluid Dynamics	6	A1F	2	E
Period 2					
TMPM10	Project Course Advanced - Applied Mechanics	12*	A1F	-	С
TMME50	Flight Mechanics	6	A1N	2	E
TMME68	Dynamics of Rotating Systems	6	A1N	2	E
TMMS20	Structural Optimization	6	A1N	3	E
TMMV62	Computational Heat Transfer	6	A1N	1	Е



$Specialisation: Engineering\ Design\ and\ Product\ Development-Preliminary\\ courses$

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMPM05	Project Course Advanced - Design Engineering and Product Development	12*	A1F	1	С
TDDE56	Foundations of AI and Machine Learning	6*	G2F	2	E
ТМКТ79	Collaborative Multidisciplinary Design Optimization	6	A1F	2	E
TMME14	Machine Elements, Second Course	6	A1N	3	E
Period 2					
TMPM05	Project Course Advanced - Design Engineering and Product Development	12*	A1F	4	С
TDDE56	Foundations of AI and Machine Learning	6*	G2F	1	E
TMHP03	Engineering Systems Design	6	A1N	4	E
TMKA11	Model-based System-of-Systems Engineering	6	A1N	3	E
TMKU01	Design Automation of Customized Products	6	A1F	2	E
TMME68	Dynamics of Rotating Systems	6	A1N	2	E

Specialisation: Engineering Materials — Preliminary courses

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
ТМРМ09	Project Course Advanced - Engineering Materials	12*	A1F	-	С
TMHL19	Advanced Material and Computational Mechanics	6	A1F	1	E
TMKM16	Sustainable Material Selection	6	A1N	4	E
TMKO02	Engineering Materials and Manufacturing Technology	6	A1N	2	E
Period 2					
ТМРМ09	Project Course Advanced - Engineering Materials	12*	A1F	-	С
TMKO05	Additive Manufacturing for Industrial Applications	6	G2F	3	E



$Specialisation: Manufacturing\ Engineering-Preliminary\ courses$

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMPM08	Project Course Advanced - Manufacturing Engineering	12*	A1F	1	С
TMPR07	Virtual Manufacturing	6	A1N	4	С
TDDE56	Foundations of AI and Machine Learning	6*	G2F	2	E
TMKO02	Engineering Materials and Manufacturing Technology	6	A1N	2	E
TMPS27	Production Systems	6	A1N	3	E
Period 2					
TMPM08	Project Course Advanced - Manufacturing Engineering	12*	A1F	4	С
TDDE56	Foundations of AI and Machine Learning	6*	G2F	1	E
ТМКО05	Additive Manufacturing for Industrial Applications	6	G2F	3	E
TMQU12	Lean Production	6	A1N	2	E

$Specialisation: Mechatronics-Preliminary\ courses$

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMMS32	Modelling and simulation of mechatronic systems	6	A1N	3	С
TMPM06	Project Course Advanced - Mechatronics	12*	A1F	4	С
TDDE18	Programming C++	6*	G2F	2	E
TSFS12	Autonomous Vehicles - Planning, Control, and Learning Systems	6	A1N	1	E
Period 2					
ТМРМ06	Project Course Advanced - Mechatronics	12*	A1F	-	С
TDDE18	Programming C++	6*	G2F	1	E
TMHP03	Engineering Systems Design	6	A1N	4	E
TMKA11	Model-based System-of-Systems Engineering	6	A1N	3	E
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Semester 4 (Spring 2028)

Preliminary courses

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TQXX30	Degree project - Master's Thesis	30*	A2E	-	С
Period 2					
TQXX30	Degree project - Master's Thesis	30*	A2E	-	С



ECV = Elective / Compulsory /Voluntary
*The course is divided into several semesters and/or periods

Common rules

Course syllabus

A syllabus must be established for each course. The syllabus specifies the aim and contents of the course, and the prior knowledge that a student must have in order to be able to benefit from the course.

Timetabling

Program courses are timetabled after a decision has been made for this course concerning its assignment to a timetable module. Single subject courses can be timetabled at other times.

Interruption in and deregistration from a course

The LiU decision, Guidelines concerning confirmation of participation in education, Dnr LiU-2020-02256

(https://styrdokument.liu.se/Regelsamling/VisaBeslut/764582), states that interruptions in study are to be recorded in Ladok. Thus, all students who do not participate in a course for which they have registered are therefore obliged to report the interruption so that this can be noted in Ladok. Deregistration from or interrupting a course is carried out using a Web-based form.

Cancelled courses and changes to the course syllabus

Courses with few participants (fewer than 10) may be cancelled or organised in a manner that differs from that stated in the course syllabus. The Dean is to deliberate and decide whether a course is to be cancelled or changed from the course syllabus. For single subject courses, the cancellation must be done before students are admitted to the course (in accordance with LiUs regulation Dnr LiU-2022-01200, https://styrdokument.liu.se/Regelsamling/VisaBeslut/622645).

Guidelines relating to examinations and examiners

For details, see Guidelines for education and examination for first-cycle and second-cycle education at Linköping University, Dnr LiU-2023-00379 (http://styrdokument.liu.se/Regelsamling/VisaBeslut/917592).

An examiner must be employed as a teacher at LiU according to the LiU Regulations for Appointments, Dnr LiU-2022-04445 (https://styrdokument.liu.se/Regelsamling/VisaBeslut/622784). For courses in second-cycle, the following teachers can be appointed as examiner: Professor (including Adjunct and Visiting Professor), Associate Professor (including Adjunct), Senior Lecturer (including Adjunct and Visiting Senior Lecturer), Research Fellow, or Postdoc. For courses in first-cycle, Assistant Lecturer (including Adjunct and Visiting Assistant Lecturer) can also be appointed as examiner in addition to those listed for second-cycle courses. In exceptional



cases, a Part-time Lecturer can also be appointed as an examiner at both first- and second cycle, see Delegation of authority for the Board of Faculty of Science and Engineering.

Forms of examination

Principles for examination

Written and oral examinations and digital and computer-based examinations are held at least three times a year: once immediately after the end of the course, once in August, and once (usually) in one of the re-examination periods. Examinations held at other times are to follow a decision of the faculty programme board.

Principles for examination scheduling for courses that follow the study periods:

- courses given in VT1 are examined for the first time in March, with reexamination in June and August
- courses given in VT2 are examined for the first time in May, with reexamination in August and January
- courses given in HT1 are examined for the first time in October, with reexamination in January and August
- courses given in HT2 are examined for the first time in January, with reexamination in March and in August.

The examination schedule is based on the structure of timetable modules, but there may be deviations from this, mainly in the case of courses that are studied and examined for several programmes and in lower grades (i.e. 1 and 2).

Examinations for courses that the faculty programme board has decided are to be held in alternate years are held three times during the school year in which the course is given according to the principles stated above.

Examinations for courses that are cancelled or rescheduled such that they are not given in one or several years are held three times during the year that immediately follows the course, with examination scheduling that corresponds to the scheduling that was in force before the course was cancelled or rescheduled.

When a course, or a written or oral examination (TEN, DIT, DAT, MUN), is given for the last time, the regular examination and two re-examinations will be offered. Thereafter, examinations are phased out by offering three examinations during the following academic year at the same times as the examinations in any substitute course. The exception is courses given in the period HT1, where the three examination occasions are January, March and August. If there is no substitute course, three examinations will be offered during re-examination periods during the following academic year. Other examination times are decided by the faculty programme board. In all cases above, the examination is also offered one more time during the academic year after the following, unless the faculty programme board decides otherwise. In total, 6 re-examinations are offered, of which 2 are regular re-examinations. In the examination registration system, the examinations given for the penultimate time and the last time are denoted.



If a course is given during several periods of the year (for programmes, or on different occasions for different programmes) the faculty programme board or boards determine together the scheduling and frequency of re-examination occasions.

For single subject courses, written and oral examinations can be held at other times.

Retakes of other forms of examination

Regulations concerning retakes of other forms of examination than written examinations and digital and computer-based examinations are given in the LiU guidelines for examinations and examiners, Dnr LiU-2023-00379 (http://styrdokument.liu.se/Regelsamling/VisaBeslut/917592).

In principle, other examination forms should be handled in the same way as a written examination when they are given for the last time. However, the times for the examination may vary based on the nature of the element compared to the times for the written examinations.

Course closure

For Decision on Routines for Administration of the Discontinuation of Educational Programs, Freestanding Courses and Courses in Programs, see Dnr LiU-2021-04782

(https://styrdokument.liu.se/Regelsamling/VisaBeslut/1156410). After a decision on closure and after the end of the discontinuation period, the students are referred to a replacement course (or similar) according to information in the course syllabus or programme syllabus. If a student has passed some part/parts of a closed program course but not all, and there is an at least partially replacing course, an assessment of crediting can be made. For questions about the crediting of course components, contact the Study councellors.

Registration for examination

In order to take an written, digital or computer-based examination, registration in advance is mandatory, see decision in the university's rule book Dnr LiU-2020-04559 (https://styrdokument.liu.se/Regelsamling/VisaBeslut/622682). An unregistered student can thus not be offered a place. The registration is done by the student at the Student Portal or in the LiU-app during the registration period. The registration period opens 30 days before the date of the examination and closes 10 days before the date of the examination. Candidates are informed of the location of the examination by email, four days in advance.

Code of conduct for students during examinations

Details are given in a decision in the university's rule book, Dnr LiU-2020-04559 (http://styrdokument.liu.se/Regelsamling/VisaBeslut/622682).

Retakes for higher grade

Students at the Faculty of Science and Engineering at LiU have the right to retake written examinations and digital and computer-based examinations in an attempt



to achieve a higher grade. This is valid for all examination components with code "TEN", "DIT" and "DAT". The same right may not be exercised for other examination components, unless otherwise specified in the course syllabus.

A retake is not possible on courses that are included in an issued degree diploma.

Grades

The grades that are preferably to be used are Fail (U), Pass (3), Pass not without distinction (4) and Pass with distinction (5).

- Grades U, 3, 4, 5 are to be awarded for courses that have written or digital examinations.
- Grades Fail (U) and Pass (G) may be awarded for courses with a large degree of practical components such as laboratory work, project work and group work.
- Grades Fail (U) and Pass (G) are to be used for degree projects and other independent work.

Examination components

The following examination components and associated module codes are used at the Faculty of Science and Engineering:

- Grades U, 3, 4, 5 are to be awarded for written examinations (TEN) and digital examinations (DIT).
- Examination components for which the grades Fail (U) and Pass (G) may be awarded are laboratory work (LAB), project work (PRA), preparatory written examination (KTR), digital preparatory written examination (DIK), oral examination (MUN), computer-based examination in a computer lab (DAT), digital preparatory written examination in a computer lab (DAK), home assignment (HEM), and assignment (UPG).
- Students receive grades either Fail (U) or Pass (G) for other examination components in which the examination criteria are satisfied principally through active attendance such as tutorial group (BAS) or examination item (MOM).
- Grades Fail (U) and Pass (G) are to be used for the examination components Opposition (OPPO) and Attendance at thesis presentation (AUSK) (i.e. part of the degree project).

In general, the following applies:

- Mandatory course components must be scored and given a module code.
- Examination components that are not scored, cannot be mandatory. Hence, it is voluntary to participate in these examinations, and the voluntariness must be clearly stated. Additionally, if there are any associated conditions to the examination component, these must be clearly stated as well.
- For courses with more than one examination component with grades U,3,4,5, it shall be clearly stated how the final grade is weighted.

For mandatory components, the following applies (in accordance with the LiU Guidelines for education and examination for first-cycle and second-cycle



education at Linköping University, Dnr LiU-2023-00379 http://styrdokument.liu.se/Regelsamling/VisaBeslut/917592):

• If special circumstances prevail, and if it is possible with consideration of the nature of the compulsory component, the examiner may decide to replace the compulsory component with another equivalent component.

For possibilities to alternative forms of examinations, the following applies (in accordance with the LiU Guidelines for education and examination for first-cycle and second-cycle education at Linköping University, Dnr LiU-2023-00379 http://styrdokument.liu.se/Regelsamling/VisaBeslut/917592):

- If the LiU coordinator for students with disabilities has granted a student the right to an adapted examination for a written examination in an examination hall, the student has the right to it.
- If the coordinator has recommended for the student an adapted examination or alternative form of examination, the examiner may grant this if the examiner assesses that it is possible, based on consideration of the course objectives.
- An examiner may also decide that an adapted examination or alternative form of examination if the examiner assessed that special circumstances prevail, and the examiner assesses that it is possible while maintaing the objectives of the course.

Reporting of examination results

The examination results for a student are reported at the relevant department.

Plagiarism

For examinations that involve the writing of reports, in cases in which it can be assumed that the student has had access to other sources (such as during project work, writing essays, etc.), the material submitted must be prepared in accordance with principles for acceptable practice when referring to sources when the text, images, ideas, data, etc. of other people are used. This is done by using references or quotations for which the source is specified. It is also to be made clear whether the author has reused his or her own text, images, ideas, data, etc. from previous examinations, such as degree projects, project reports, etc. (this is sometimes known as "self-plagiarism").

A failure to specify such sources may be regarded as attempted deception during examination.

Attempts to cheat

In the event of a suspected attempt by a student to cheat during an examination, or when study performance is to be assessed as specified in Chapter 10 of the Higher Education Ordinance, the examiner is to report this to the disciplinary board of the university. Possible consequences for the student are suspension from study and a formal warning. More information is available at Cheating, deception and plagiarism.



Linköping University has also produced a guide for teachers and students' use of generative AI in education (Dnr LiU-2023-02660). As a student, you are always expected to gain knowledge of what applies to each course (including the degree project). In general, clarity to where and how generative AI has been used is important.

Regulations (apply to LiU in its entirety)

The university is a government agency whose operations are regulated by legislation and ordinances, which include the Higher Education Act and the Higher Education Ordinance. In addition to legislation and ordinances, operations are subject to several policy documents. The Linköping University rule book collects currently valid decisions of a regulatory nature taken by the university board, the vice-chancellor and faculty/department boards.

LiU's rule book for education at first-cycle and second-cycle levels is available at https://styrdokument.liu.se/Regelsamling/Innehall.

