

SYLLABUS

Ergonomics 1 7.5 credits

A0015A

Ergonomi 1

Course syllabus admitted: Autumn 2020 Sp 1 - Spring 2023 Sp 4

DECISION DATE
2020-02-14

Ergonomics 1 7.5 credits A0015A

Ergonomi 1

First cycle, A0015A

Education level	Grade scale	Subject	Subject group (SCB)
First cycle	G U 3 4 5	Arbetsvetenskap	Work Science and Ergonomics

Main field of study

Industrial Design Engineering

Entry requirements

In order to meet the general entry requirements for first cycle studies you must have successfully completed upper secondary education and documented skills in English language

Selection

The selection is based on final school grades or Swedish Scholastic Aptitude Test.

Examiner

Therese Öhrling

Course Aim

The overall purpose of the course is to develop student's knowledge of ergonomics and understand basic ergonomics assessments and analysis. After the course the student should:

- Demonstrate basic knowledge of ergonomics
- Demonstrate understanding of ergonomic assessment and analysis
- Demonstrate ability to analyse products and work places based on relevant ergonomic knowledge
- Demonstrate ability to choose ergonomic analysis method for a particular context
- Demonstrate ability to implement ergonomic knowledge in the design and development of products and processes

Contents

- The research field of ergonomics
- Physical ergonomics
- Working life physiology
- Anthropometry
- Choosing ergonomic evaluation methods analysis

Realization

Each course occasion's language and form is stated and appear on the course page on Luleå University of Technology's website.

The course consists of lectures, seminars, quizzes and individual/group work with assignments. The practical elements of the course are integrated with the theoretical to form a good learning practice, according to established learning theories. As a student, you will practice oral and written communication skills in the course, and practice your ability to independently, and in collaboration with others, plan and implement ergonomic analysis

Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided. Individual assignments and quizzes. A team based project assignment. Written and oral presentation. Compulsory attendance at lectures, seminars and practical elements. Individual essay.

Remarks

Students must register for the courses themselves, or contact ETKS educational administration eduetks@ltu.se, not later than three days after the quarter commences. Failure to do so can result in the place being lost. This rule also applies to students with a guaranteed place.

Overlap

The course A0015A is equal to A0007A

This course replaces A0007A Ergonomics.

Literature. Valid from Autumn 2020 Sp 1

Bohgard, M. (ed.) (2015). Work and technology on human terms. Stockholm: Prentice Hall
The literature is also available online at <http://lms.onhumanterms.org/>

Course offered by

Department of Social Sciences, Technology and Arts

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0005	Laboratory work and exercises	U G#	1	Mandatory	A20	
0006	Project work	U G#	2.5	Mandatory	A20	
0007	Individual essay	G U 3 4 5	2	Mandatory	A20	
0008	Quizzes	U G#	2	Mandatory	A20	

Study guidance

Study guidance for the course is to be found in our learning platform Canvas before the course starts. Students applying for single subject courses get more information in the Welcome letter. You will find the learning platform via My LTU.

Last revised

by Director of Undergraduate Studies Daniel Örtqvist, Department of Business Administration, Technology and Social Sciences 2020-02-14

Syllabus established

by Director of Undergraduate Studies Bo Jonsson, Department of Business Administration, Technology and Social Sciences 2014-02-14