

SYLLABUS

Specialisation project in game development 15 credits S0007E

Inriktningsprojekt spelutveckling

Course syllabus admitted: Autumn 2023 Sp 1 - Present

**DECISION DATE
2021-02-17**

Specialisation project in game development 15 credits S0007E

Inriktningsprojekt spelutveckling

First cycle, S0007E

Education level	Grade scale	Subject	Subject group (SCB)
First cycle	U G#	Medieteknik	Computer Technology

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 and a pass grade on all previous courses during the earlier stages of education is required in order to begin the project. The examiner has the right to waive this requirement if he determines that the student has sufficient knowledge to complete the project.

Selection

The selection is based on 1-165 credits.

Course Aim

During the course, you as a student have the opportunity to develop your skills in the direction you choose. An additional objective is for you to practice and improve your ability to find new or advanced knowledge in the field of computer game development. After course completion, the student should be able to demonstrate:

- broad knowledge in the field of computer games and understanding of the system level
- ability to apply knowledge of mathematics and science for specific issues. As shown through the presentation of concepts and tests.
- ability to model, simulate, predict, and evaluate methods and algorithms in the area of computer games. As shown through the implementation and documentation.
- ability to identify the need for further knowledge and to continuously upgrade their skills. As shown through the presentation of an in-depth study of the identification of further work.
- ability to independently take responsibility for and exploring of, for students, new areas on a scientific level. As well as apply new knowledge in implementations of the code, and explain and present this to other students less familiar with that specific area.

Contents

The course content is largely determined by the focus area chosen by the student. A final plan for the content is decided at the start with the course examiner and mentor.

Realization

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

Individual work under supervision and with a target document as a guide. During implementation, there are a number of milestones where progression and results are reported. The work is conducted in project form with a clear focus on the student deepening their knowledge in the chosen area through theoretical and practical work.

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.

The work will be divided into specific time periods with an extent of about 5hp. At the end of each time period a progress reports is required (written and oral). Both good and bad experiences will be discussed. Throughout the project, a diary of progress should be kept. The final report is to be written in a scientific manner and will be presented orally as well.

Unauthorized aids during exams and assessments

If a student, by using unauthorized aids, tries to mislead during an exam or when a study performance is to be assessed, disciplinary measures may be taken. The term "unauthorized aids" refers to aids that the teacher has not previously specified as permissible aids and that may assist in solving the examination task. This means that all aids not specified as permissible are prohibited. The Swedish version has interpretative precedence in the event of a conflict.

Overlap

The course S0007E is equal to S0011D

Course offered by

Department of Computer Science, Electrical and Space Engineering

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0001	Assignment report	U G#	15	Mandatory	A15	
0002	Oral presentation	U G#	0	Mandatory	A15	
0003	Written report	U G#	0	Mandatory	A15	

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 Jonny Johansson, HUL SRT 2021-02-17

Syllabus established

by Jonny Johansson, HUL SRT 2015-02-16