Department of Computer and Systems Sciences

Stockholm University

Syllabus

for course at advanced level

Designing for Emerging Technologies
Design för framväxande tekniker

7.5 Higher Education Credits
7.5 ECTS credits

Course code:	ML482N
Valid from:	Spring 2020
Date of approval:	2019-11-12
Department	Department of Computer and Systems Sciences
Main field:	Computer and Systems Sciences
Specialisation:	A1N - Second cycle, has only first-cycle course/s as entry requirements

Decision

This syllabus was approved by the Head of the Department 2019-11-12.

Prerequisites and special admittance requirements

90 ECTS in Computer and Systems Sciences (or equivalent knowledge).
English 6 (or equivalent knowledge).

Course structure

Examination code	Name	Higher Education Credits
DFTI	Design for Emerging Technologies, assignments	4
DFTP	Design for Emerging Technologies, project work	3.5

Course content

The course provides students with knowledge on current creative and immersive technologies. Particularly the course challenges the students to apply and discuss key concepts, methods, workflows, tools and selected standards that facilitate interaction supported by creative and immersive technologies. In this course the students learn about and reflect on the opportunities and challenges of designing for interaction facilitated by creative and immersive technologies by conducting small research projects.

Learning outcomes

Upon successful completion of the course, the student should be able to:
- apply and discuss current creative and immersive technologies
- apply and discuss concepts, methods, workflows, tools and selected standards for creative and immersive technologies
- reflect on opportunities and challenges in designing for interaction facilitated by creative and immersive technologies.

Education

The teaching activities in the course are: lectures, supervision sessions, seminars and laboratory works.
The language of instruction is English.

Forms of examination

a. The course is examined through a project work and assignments.

b. The final grading of the course is based on the following grading scale related to the learning outcomes of the course: A = Excellent, B = Very Good, C = Good, D = Satisfactory, E = Sufficient, Fx = Fail, F = Fail.

c. The grading criteria are communicated to the students at the start of the course.

d. In order to complete the whole course segment the student must obtain at least grade E (or P with Pass/Fail grades) in all course components/examinations.

e. In addition the following regulations also apply:
- Students who obtained grade E in an examination task are not allowed to re-write the examination or resubmit the assignment in order to obtain a higher grade.
- Students who have failed the same examination task twice are entitled to have another examiner appointed,unless there are special reasons to the contrary.

Interim

When a course is discontinued, or its contents are substantially altered, the following applies:
- Failed examination tasks are replaced with other similar examination tasks according to a specific plan.
- If no similar examination tasks can be provided, at least three examination opportunities per examination task should be offered during a period of at least three terms from the date of the decision. After this period, no examinations should be carried out on the course.

Limitations

This course may not be included in a degree together with a course, taken in Sweden or elsewhere, of identical or partially similar content.

Required reading

Information about course literature is available on the department's website - www.dsv.su.se - at least two months before the start of the course.