TIA112   Visualization in architecture, art and design, 7.5 higher education credits

Visualisering i arkitektur, konst och design, 7,5 högskolepoäng

Second Cycle

Confirmation

This course syllabus was confirmed by Department of Applied Information Technology on 2013-09-25 and was last revised on 2014-08-25 to be valid from 2014-09-01, autumn semester of 2014.

Field of education: Science 100%
Department: Dep of Applied Information Technology

Position in the educational system

Affiliated to the Master program in Interaction Design. Eligible course.
Optional part of the Visualization track of the Master program in Interaction Design.

Main field of studies	*Specialization*
Applied Information Technology with Specialization in Art and Digital Media	A1N, Second cycle, has only first-cycle course/s as entry requirements

Entry requirements

- To be eligible for the course the student must have a Bachelor degree of 180 hec.

- 15 hec courses in architecture, design, media production, history of art, history of film or similar courses.

Learning outcomes

After completion of the course the student should be able to:

Knowledge and understanding

- present good knowledge and insights about the purpose with visualization within architecture, art and design
- show how visualization is used within these areas

Skills and abilities
- Analyze visualizations within the area using the theories the course presents
- Perform a visualization using a digital tool

Judgement and approach
- Demonstrate a reflecting and critical attitude to different ways of using visualization within architecture, art and design
- Motivate and reflect over the students own configuration of visualizations

Course content

The course discusses visualization within architecture, art, design and contains both theoretical and practical moments. Lectures are mixed with seminars, analytical practices and educational visits. The course will look into visualization from two perspectives: visualization as a tool and visualization as an artistic form of expression. Focus will be on contemporary visualization using digital technique, for example 3D modelling and 2D animation. The course will also examine visualization in a historical perspective and will use theories from cognitive science, interaction design, theory of image and semiotics.

Sub-courses

1. **Analysis Assignment** *(Analysuppgift),* 1.5 higher education credits
   Grading scale: Pass with Distinction (VG), Pass (G) and Fail (U)

2. **Project Assignment** *(Projektarbete),* 3 higher education credits
   Grading scale: Pass with Distinction (VG), Pass (G) and Fail (U)

3. **Essay** *(Essä),* 3 higher education credits
   Grading scale: Pass with Distinction (VG), Pass (G) and Fail (U)

Form of teaching

The course is organized as lectures, seminars, and workshops. During the lectures, a teacher or guest lecturer presents a subject that is also discussed in the whole group. In the seminars, the students discuss topics from selected texts. Workshops mean that we work with practical tasks and exercises. Most of the forms contain some sort of oral presentation from the students.

Language of instruction: English

Assessment
The course is examined by means of a project work (3 hec) which will be carried out in a group and orally presented in a common account of the group. In addition a written report about the project will be handed in. The examination is also carried out by a written analysis assignment (1,5 hec) which will be done collectively in a group, and one essay which will be done individually.
A student who has failed a test twice has the right to change examiners, if it is possible. A written application should be sent to the Department.

Grades
The grading scale comprises: Pass with Distinction (VG), Pass (G) and Fail (U).
The grading scale comprises Fail (U), Pass (G), Pass with Distinction (VG).

To receive a passing grade for the whole course, a student must have a passing mark on at least 4,5 hec.

Course evaluation
After completion of the course the students are to be given the possibility of participating in course anonymously. The processed results of the course evaluations are to be made accessible to students and also made available to new students at the beginning of the next course. Possible changes brought about as a result of course evaluations to be described.