



Course syllabus

Faculty Board of Science and Engineering
School of Computer Science, Physics and Mathematics

1ME201 Digital videoproduktion, 7,5 högskolepoäng
Digital Video Production, 7.5 credits

Main field of study

Media Technology

Subject Group

Media Production

Level of classification

First Level

Progression

G1F

Date of Ratification

Approved by the Board of the School of Computer Science, Physics and Mathematics
2009-12-15

Revised 2010-11-26. Revision made for prerequisites and course evaluation.

The course syllabus is valid from autumn semester 2011

Prerequisites

Design of Interactive Media, 15 credits (1ME102), Introduction to higher Education in Media Technology, 15 credits (1ME105), User-centered Interface Design, 7.5 credits (1ME106) or the equivalent.

Expected learning outcomes

After the course, the student should:

- know the basics of image composition both of still and moving images and also something about it's dramaturgy.
- have good knowledge of various production factors, mainly planning, camera techniques, filming, digitizing, editing.
- have a good knowledge of various production roles and phases and have learned what the deadlines means for the production.
- be able to distribute a video through various channels such as podcasting or broadcasting over IP.
- know, be able to choose and use various programs for script-writing, video editing and distributing video.
- have good knowledge of all technical equipment used.
- be familiar with and able to choose the appropriate codecs for a special situation.
- be able to locate and find the relevant literature to follow the development of the subject.

Content

The course gives the student a general overview and understanding of modern video production and distribution over the Internet or handheld devices.

The course comprise:

- basics of digital video technology
- images Composition, Still and motion imagery
- orientation about dramaturgy and scriptwriting
- equipment and software (camera, editing, script)
- planning for the efficient flow of the video (deadlines, Gantt charts and production economics (profit or profit loss, fines)
- podcasts, broadcasts over IP
- compression: Algorithms and codecs.

Type of Instruction

Teaching consists of lectures, exercises and assignments. Laboratory operations are carried out independently or in groups. Participation in certain operations is mandatory.

Large and very active participation is required in the group so that broadcasts can be implemented in time and with good quality. Submission date is particularly important in this course, which is part of Learning outcomes.

The course can include one or more visits and collaboration with industry or other institutions.

Examination

The course is assessed with the grades Fail (U), Pass (G) or Pass with Distinction (VG).

Upon request, the students get their grades translated according to the ECTS scale. Such a request must be received by the examiner before the exam.

Assessment of the student's performance is done by writing the test and / or oral examinations and / or reporting of required assignments.

For assignments in the legal process of the subject filing date.

Course Evaluation

A written course evaluation will be carried out at the end of the course in accordance with the guidelines of the University. The course evaluation will be filed at the department.

Other

Upon request, a Swedish University course certificate will be awarded upon successful completion of the course.

Required Reading and Additional Study Material

Required reading

Millerson, G och Owens, J, *Video Production Handbook*, Oxford, Focal. Latest edition. Pages 352.

DFM, *Distributed material*. Pages 150.