COURSE DATASHEET

Semester: 2013/14/2
Course: Multimedia in the Education
Code: VETLPPB322D

Responsible department: Department of Electrical Engineering and Information Systems
Department code: MIVIR
Responsible instructor: dr. Miklós Gerzson

Course objectives:

The students get to know the basics of multimedia usage (multimedia IT tools and software) in the education by taking this course. As final task of the semester the students are to prepare a smaller animation in groups of 2 using the multimedia utilities demonstrated during the course. Todays students … are born” into this brave new digital world therefore knowledge of the modern IT tools is a must to them. Meanwhile these tools provide excellent methods for motivation which is the ultimate way to the perfection of organized learning. The students - while acquiring the technical knowledge - are to prepare a sketch in a freely chosen topic based on which an educational theme can be constructed and also a teaching sketch about the usage of possible multimedia material during their own future classes and presentations. Finally in the groups of 2-3 they are to prepare an essay about the available resources in multimedia and about their application in their specific field of education.

Course content:

Definition of multimedia, application of multimedia Discussion of student made professional software, sketches, teaching sketches Virtual reality Flash Director Individual exercise: using Director and Flash for modelling and for animation Creating the homework scenario Completion and demonstration of a teaching sketch Creating the homeworks Demonstration of the homeworks

Requirements, evaluation and grading:

Developing a simple multimedia application (including animation, sound, and interactivity). Writing script of an educational multimedia application. Writing lesson-plan how a multimedia presentation will be used during the lesson. Writing essay about the available resources in multimedia and about their application in their specific field of education.

Required and recommended readings: