

COURSE: 02565 Computer Animation & Modelling

PERIOD : F2, 03. February - 13. May 2003

PRACTICAL INFORMATION

Place, time	The course runs Mondays 13-17 and Thursdays 8-12 in building 305. The lectures are given Mondays 13-14(15) and Thursdays 9-10(11) in building 305, room 017. The remaining periods are reserved for databar exercises. They also take place in the VR-bar in building 305 rooms 017. The rest of the course runs outside the scheduled period. You can use the databar on a first come first served basis to solve exercises and projects (if no reservations are made).
Lecture	Niels Jørgen Christensen (NJC), Informatics & Mathematical Modelling (IMM), DTU Bld 321, 2800 Lyngby, Phone 45 25 33 66.
Assistant teachers	Mikkel Gjøl, Bjarke Jakobsen.
Parts	The course contains two main parts: an animation part and a modelling part. The animation part comprises 1. Introduction to Softimage 3D 2. Effects - including 3 mini projects 3. Introduction to Softimage Eddie 4. Project The modelling part comprises 1. Introduction to ProEngineer /AutoCad 2. Surfaces 3. Complex objects / AutoCAD 4. Project In the animation project each group makes a small project resulting in a video production. You may choose to illustrate a technical problem using Softimage or make a special effect which demonstrate what the animation system can do. You are supposed to carry out the project independently based on the knowledge you gain during the course. In the modelling project you will be asked to make a geometric model of an object such as a bike or an object of your own choice.
Schedule	Version 1 of the course schedule is attached.
Exercises	The course comprise exercises and mini projects which must be solved from week to week. An important part of each exercise has to be solved outside the scheduled databar exercises. During the last weeks of the course and the exam period you also work on the two projects. The exercises are carried out on the computer animation system Softimage and the modelling systems ProEngineer /Autocad.
Groups	The exercises are carried out in groups of two persons. The groups are formed at the first lecture. Students who are familiar with other animations and CAD systems than the ones used in the course are asked to work together with less experienced students

Evaluation	To pass the course you need to active participate in the course including exercises, and to deliver the exercises, mini projects and projects. Finally, you have to give a short oral presentation of the projects (and mini projects). This is your opportunity to defend your choices. The exercises and projects are evaluated as a unit according to the 13 scale. It is important to emphasize that both technical and communicative aspects count in the evaluation.						
Materials	Exercises and tutorials are sold in the beginning of the course and are available from the first day of use. Other kinds of material which are not accessible online are available in a single copy in the databar. It is strictly forbidden to take the copy outside the databar. User Guides for Softimage 3D and SoftImage Eddie are available for sale upon request at the beginning of the course. Last request date is the 17th of February.						
Payment	The price for notes, tutorials and user guides is 0.60 kr. pr. page. You buy the whole set including the optional user guides at the beginning of the course for 225 kr. at the reception in building 321. If there are any changes during the course, the price is adjusted accordingly at the end of the course. You may buy the parts separately at the following prices: <table> <tr> <td>- Exercises and Tutorials</td><td>75 kr.</td></tr> <tr> <td>- Softimage 3D User's Guides</td><td>100 kr.</td></tr> <tr> <td>- Softimage Eddie User's Guide</td><td>50 kr.</td></tr> </table> Furthermore, each group has to use a 1 GB DAT-tape for storing and backup of the exercises and projects. There is no secure backup system in the databars of DTU. You can buy the tape in Polyteknisk data or at another supplier (BASF Data Cartridge 4D-60 approx. 50-70 kr.) The exercise can also be delivered on CD-Rom (no CD-rom burner in the VR-bar) if they can be read on the O2 machines in the VR-databar. Your file names must follow the "8.3 rule".	- Exercises and Tutorials	75 kr.	- Softimage 3D User's Guides	100 kr.	- Softimage Eddie User's Guide	50 kr.
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Delivery	You deliver the exercises and projects stored on the DAT-tape/CD-rom. Furthermore, you deliver a PAL VHS tape which includes the video sequences from the Eddie exercises, mini projects and animation projects. Finally, you deliver the storyboard of the animation project. The production of the exercises and projects has to be carried out using the systems of the course (Softimage, Eddie, ProEngineer, Autocad).						
Project presentation	Each group gives their project presentation on the 19th of June in Building 116 aud. 81 at 1 pm. The presentation last typically 10 minutes. Here you must give a short motivation for the animation projects and present technical and communicative highlights and demonstrate your production. You will answer questions from the external examiner and from the teachers.						