

Course Manual CGI

Computer Generated Imagery

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– General information

Long name	Computer Generated Imagery
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Approving CModule	CGI BaMT
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Responsible	Prof. Dr.-Ing. Arnulph Fuhrmann Professor Fakultät IME
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Valid from	winter semester 2022/23
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Level	Bachelor
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Semester in the year	winter semester
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Duration	Semester
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Hours in self-study	60
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ECTS	5
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Professors	Prof. Dr.-Ing. Arnulph Fuhrmann Professor Fakultät IME
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Requirements	Computer Graphics, Linear Algebra
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Language	German and English
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Separate final exam	Yes
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Literature

Final exam

Details

Development and communication of a creative work on a given topic in the field of CGI. The work created is presented and critically discussed in the group.

For the grade, the technical aspects are evaluated (complexity of the model, quality of the modeling, realistic materials, illumination). On the other hand it is necessary to show that the given topic has been taken up appropriately, that the lighting mood is consistent, that the environment fits and that rules for composition have been applied.

Minimum standard

The complexity of the model, the modelling and the materials used must be of a minimum quality and the relationship to the topic must be recognisable.

Exam Type

EN andere summarische Prüfungsform

– Lecture / Exercises

Learning goals

Goal type	Description
Knowledge	- Theoretical foundations of CGI
Skills	- Using software to create CGI - Modeling of 3D objects - Creating textures - Definition of materials - Illumination of 3D scenes

Special requirements

none

Accompanying material undefined

Separate exam No

Expenditure classroom teaching

Type	Attendance (h/Wk.)
Lecture	1
Exercises (whole course)	2
Exercises (shared course)	0
Tutorial (voluntary)	0

– Lecture / Exercises

Learning goals

Goal type	Description
Skills	Independent creation of creative works in the field of CGI.

Special requirements

None

Expenditure classroom teaching

Type	Attendance (h/Wk.)
Project	2
Tutorial (voluntary)	0

Accompanying material undefined

Separate exam No