

Technical informatics II. (CAD I.), Spring Semester of 2016

Instructor: Gyula Nagy PhD, B 405.

Basic course materials:

<http://www.ymmf.hu/sites/talata.istvan.ymmf.hu/files/cad1basic/>

<http://www.ymmf.hu/sites/talata.istvan.ymmf.hu/files/cad1/>

Homework

Submission deadline: the class of week 12 (May 4, 2016)

In a group of 2-4 students, the 3D model of a building should be created in AutoCAD. The building can be chosen from the list below. Every part of the model should be a solid element (not surface, not region).

Those students who have not signed up for a homework, should form groups of 2-4 people, and the group should inform the teacher (in class or by email) about their choice of homework from the list of not chosen buildings below.

Beside creating the 3D model in AutoCAD, ppt presentation should be created to document the steps of construction (Print Screen or picture capturing software can be used).

Each student of a group should take a substantial part of the work. Even if the students work on separate parts of the project, they should unite their work, so it is a good idea to agree on the main dimensions (lengths, heights) or even to create a rough base model first, and then students refine different parts of it.

Not necessary to use exact dimensions (lengths, heights), it is enough to estimate those dimensions of the building based on pictures or by personal observations, so the shape of the model should look similarly as the building.

As we learn in class how to assign materials and lights, and how to create photorealistic images, the model should be equipped with materials and lights, and photorealistic images should be created from the final model.

List of buildings:

- 1) St. Stephen's Basilica in Budapest
- 2) Chain Bridge in Budapest
- 3) Opera House in Budapest
- 4) Dohány Street Synagogue
- 5) Hotel Gellért in Budapest
- 6) Stefánia Palace
- 7) Geographical Institute in Budapest

Grading Policy

Midterm Exams and Homework:

The grade is based on the results of two Midterm Exams and the Homework:

- Midterm Exam 1 (week 6), max. 40 points
- Midterm Exam 2 (week 12), max. 40 points
- Homework (due to week 12), max. 20 points

The Homework exercises are assigned to the students during the class of week 8. Make up exams can be taken during the class of week 13.

To obtain a grade, at least 5 point are needed to be collected from each of the Midterm Exams and from the Homework.

The grade is based on the total number of points obtained, using the following scale.

Point limits for grades:

- **between 0-55 points: Fail (1)**
- between 56-65 points: Satisfactory (2)
- between 66-75 points: Average (3)
- between 76-85 points: Good (4)
- between 86-100 points: Excellent (5)