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Course Objectives:

Within designing building systems, to design vertical and horizontal circulation systems(with considering disabled people) and design roof systems with their structural and constructive elements.

Course Content:

As part of three semester course, this course concentrates on design principles of vertical/horizontal circulation systems (ramps, stairs, escalators, elevators, etc.),roofing, roof components, roof structure and roof construction with detailing.

Learning Outcomes:

Upon successful completion of this course, students/learnerswill be able to

1. Identify basic principles of vertical/horizontal circulation systems and design these systems also considering disabled persons
2. Design roofing systems and develop different solutions for them.
3. Draw all basic building components in proper scale and make their models.

Academical Ethics(*):

Considering jointly education and learning process of the lecture, proper academic behaviours should be achieved as listed below:

- be respectful to others' benefiting from education opportunities at its maximum level
- not use/show anyone's work as yourself
- not use/show anyone's work without referencing
- be responsible to group members while working together
- participate studies on time and in full
- appreciate others contribution and success
- *the most important one is to be honest and openhearted*

Opposite behaviour may cause failure and disciplinary executions.

()adopted from Prof.Dr. Selahattin Önür 's work on academic ethics.*

Equipment List:

- 1) B1 (1000/707 mm) B2(500/707 mm) normed sketch and opaque drawing paper.
- 2) T square, triangles (45/45 and 30/60) and rulers
- 3) For some classworks personal computers may be used.
- 4) File folder in B2 norms
- 5) Pencil, eraser, tape etc....
- 6) Materials and equipments to make models (Modeling knife, Cutting Pad, Steel Ruler, Glue, cardboard, corrugated cardboard etc.)

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Journals:

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