

itu faculty of architecture department of architecture

construction project

asst. prof. dr. m. cem altun

2018 / 2019 fall semester mim 431e tuesday 13.30 – 17.30 + friday 08.30 – 12.30

objective

form - spatial organisation - technology interactions and their integration will be explored in the context of **the transformation of the design idea into a concrete product** ... materials and construction types/techniques will be selected and building subsystems (spatial system, building elements, structural system, service systems) will be integrated considering building – environment – user interactions, functional requirements and “identity” ... in selecting materials, in selecting/designing sub systems and in achieving a high standard of climatic-acoustical- visual comfort, energy efficiency and ecological aspects will be primary design criteria ... regulatory framework, accessibility and user safety are further design criteria ... facade system design and detailing will be underlying sub processes ... it is aimed to cover **all design stages** of the project in a holistic approach...

process

the process will be carried out as **research, presentations / submissions, studio work** ... prioritized techniques in design and representation are model making and digital 3d modelling ... main phases of the design process are as follows: investigating and analysing the building site and environmental context ... literature review, precedent analyses ... preparing and developing the architectural program ... developing the concept ... analysis/presentations of related codes, standards, regulations and their integration into design ... seminars on building subsystems ... developing preliminary design project ... developing and designing systems ... developing construction project ... detailed design ... systems' integration ... 3d modelling in systems' design ... submission of projects at main design stages ... representation techniques in construction project ...
> it is expected to participate in all research work, presentations and studio work ...

topic

office building ... for creative works ... in istanbul ...

if you have any questions contact mcemaltun@gmail.com before enrolment...

schedule

o1	intro: topic & process
	presentation: precedent analyses + site analyses
o2	presentation: precedent analyses ... developing architectural program
	presentation: codes, standards ... developing concepts
o3	presentation: codes, standards ... developing concepts
	presentation: codes, standards ... preliminary project
o4	preliminary project
	preliminary project ... integration of codes, standards
o5	submission: preliminary project
	design and development/selection of building sub-systems
o6	design and development/selection of building sub-systems
	design and development/selection of building sub-systems
o7	building sub-systems ... integration of codes, standards
	building sub-systems ... integration of codes, standards
o8	mid-term break
	mid-term break
o9	submission: project – design development level
	construction project
1o	construction project ... detail design
	construction project ... detail design
11	construction project ... detail design
	construction project ... detail design
12	construction project ... system detail design
	construction project ... system detail design
13	construction project ... system detail design
	construction project ... system detail design
14	construction project ... systems integration
	construction project ... systems integration
15	construction project ... systems integration
	construction project ... systems integration

grading ... components

attendance
 presentations
 studio work
 mid term project submissions
 final submission

final submission

1/500-1/200 site plan
 1/100-1/200 preliminary project/final project
 1/50 partial plans, sections, elevations
 1/20-1/1 system and detail drawings
 room schedule, material description leaflets, specifications
 3d models > building ... sub-systems ... details
 A3~A2 process/product "presentation" posters A3~A2