

2018-2019 Fall Semester

Istanbul Technical University

Architecture Non-Thesis Master's Program

http://march.itu.edu.tr

Architectural Design I

CRN: 14632 | MTZ 501E

Monday & Thursday 13:00-17:30

Classroom: 123A

Lecturers:

Prof. Dr. Meryem Birgül Çolakoğlu | bigi_c3@yahoo.com

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Weekly Schedule

WEEK	DATE	PROGRAM	WORK
1	17.09.2018 Monday [first day of the semester]	Introduction to the course and semester program, readings on campus design	First week readings: Blue highlighted readings in the reading list.
	20.09.2018 Thursday	No lecture, "off-school" readings and interpretation of given readings	
2	24.09.2018 Monday	Systematizing overall literature search and comprehensive analyzing of readings	Find qualified campus designs both in Turkey and in the world: -Erginoğlu & Çalışlar - ITU Magosa Campus (2011), TAC-SEV New Campus (2014) -Behruz Çinici & Altuğ Çinici - METU Campus (1961) -Emre Arolat Architects - AGU Sümer Campus (2014) -Alişan Çırakoğlu - AGU Mimar Sinan Campus (20_) <i>etc...</i>
	27.09.2018 Thursday	Research about campuses, changing learning spaces, design principles of campuses in the 21st century, campus design guidelines	
3	01.10.2018 Monday	Schemas, analyses and producing operational knowledge through examinations of current campus designs	Studio work and discussions + homework
	04.10.2018 Thursday	Presentation: Rifat Yılmaz "Bandırma Onyedi Eylül University Competition: BeOffice" & discussions and juxtapositions with current literature	

4	08.10.2018 Monday	Juxtaposition of literature + campus design guides and textual & visual analyses of experienced campuses (Özyeğin University)	Trip¹ to Özyeğin University Çekmeköy Campus. Trip to ITU Maslak Campus & Bilgi University Santral Campus.
	11.10.2018 Thursday	Juxtaposition of literature + campus design guides and textual & visual analyses of experienced campuses (ITU & Bilgi University)	
5	15.10.2018 Monday	1st JURY	Juxtaposition of readings and buildings, setting up logic and principles over given literature, producing campus design guides.
	18.10.2018 Thursday	1st JURY	
6	22.10.2018 Monday	Examination and analyses of relationship between Sarajevo urban space and university	Studio work and discussions + homework
	25.10.2018 Thursday	Examination and analyses of relationship between Sarajevo urban space and university	
7	29.10.2018 Monday	Juxtaposition of literature and textual and visual representational analyses of Sarajevo	Diagrams, textual works, analytic visual representations...
	01.11.2018 Thursday	Juxtaposition of literature and textual and visual representational analyses of Sarajevo	
-	05.11.2018 Monday	[Academic Break] Trip to Sarajevo, Bosnia and Herzegovina	<i>Details of trip will be announced.</i>
	08.11.2018 Thursday		
8	12.11.2018 Monday	2nd JURY	Evaluating the trip, analyzing experiences, principles for Sarajevo campus design
	15.11.2018 Thursday	2nd JURY	
9	19.11.2018 Monday	First design attempts, first decisions, discussions about urban context, from macro to micro...	Studio work, critics, discussions and homework.
	22.11.2018 Thursday	First design attempts, first decisions, discussions about urban context, from macro to micro...	
10	26.11.2018 Monday	First design attempts, first decisions, discussions about urban context, from macro to micro...	Studio work, critics, discussions and homework.

¹ Trips to university campuses will be in 3rd week of the semester -out of studio hours.

	29.11.2018 Thursday	Improving design attempts, decisions about program	
11	03.12.2018 Monday	Improving design attempts, decisions about program	Studio work, critics, discussions and homework.
	06.12.2018 Thursday	Improving design attempts, decisions about program	
12	10.12.2018 Monday	Improving design attempts, decisions about program	Studio work, critics, discussions and homework.
	13.12.2018 Thursday	Improving design attempts, decisions about program and masses	
13	17.12.2018 Monday	Improving design attempts, decisions about program and masses	Studio work, critics, discussions and homework.
	20.12.2018 Thursday	Improving design attempts, decisions about program and masses	
14	24.12.2018 Monday	FINAL JURY: Sarajevo Campus Master Plan	Evaluation of master plan with tutors from Sarajevo University and competition
	27.12.2018 Thursday [last day of the semester]		
-	<i>Date will be announced.</i>	Additional Course	Studio work, critics, discussions and submissions.

21st Century Learning Environments:

Sarajevo University Campus Design

Aim, Scope and Methodology:

According to the number of students enrolled, there will be groups each consisting of 3 people. Every group is going to study and design a master plan in Sarajevo and a competition for all these master plans is going to be realized in the end of the semester. A jury consisting of tutors both from Istanbul and Sarajevo will examine and choose the most qualified one. This master plan is going to be the base attempt for working on it in the spring semester for developing your own & particular campus design.

The readings given in the schedule should be read and interiorized properly. It is essential to systematize overall literature research and comprehensive analyzing of readings. After completing the given literature, students also may be asked to find qualified research about campus design. Students are also responsible for reading list throughout the semester. These readings aim to give the students conceptual and intellectual competence about campus design. One of the most important inputs of the studio is the act of juxtaposition of readings and existing campus designs. This performance of juxtaposition aims to product principles about campus design with the fact that architectural design is extremely associated with research.

As examples, 5 campuses in Turkey have been given to study. Throughout readings students will be asked to find qualified campus designs both in Turkey and in the world. Students are expected to produce operational knowledge through examinations of current campus designs

with schemas and analyses over the given literature. These performances will be supported by studio works and discussions and home works.

Trips to current qualified campuses in Istanbul like ITU Maslak Campus, Özyeğin University Çekmeköy Campus and Bilgi University Santral Campus will be realized out of studio days. The observations and experiences of these trips will be externalized in different representations for the fact that 1st jury will include all of these performances. Examinations and analyses of relationship between Sarajevo urban space and university will be realized through the representational data after the first jury. In the academic break of ITU's Academic Schedule, the trip to Sarajevo will be realized and 2nd jury -which will generate the main part of juxtaposition and trip- will come to fruition. First design attempts, decisions, discussions will be performed in the urban space context which will be provided studio and home works again. Until the end of semester improving design attempts will continue and students will be expected to submit an exact master plan for Sarajevo University Campus.

Air photograph: <http://goo.gl/maps/o7qKmNfiqYm>



Reading List and Links

-**Sturmer, W. F. (1972)**, *"Environmental Code: Creating a Sense of Place on the College Campus"*.

-**Narum, J. L. (2004)**, *"Resource Review: Transforming the Physical Environment for Learning"*.

-**Zuddas, F. (2017)**, *"The Idea of the Università"*.

-**Partnership for 21st Century Learning (2007)**, *"Framework for 21st Century Learning"*.
<http://www.p21.org/about-us/p21-framework>

-**BoredTeachers (2018)**, *"Are Flexible Learning Spaces the Future of Education?"*.
<http://www.boredteachers.com/trending/flexible-learning-spaces-future-of-education>

-**21st Century Schools (2017)**, *"Is your school or classroom 21st century?"*.
<http://www.21stcenturyschools.com/20th-vs-21st-century-classroom.html>

-**Boys, J. (2011)**, *"Towards Creative Learning Spaces: Re-thinking the Architecture of Post-Compulsory Education"*. New York: Routledge, Taylor & Francis Group.

-**Cheng, D. X. (2004)**, *"Students' Sense of Campus Community: What it Means, and What to do About It"*.

-**CISCO (2018)**, *"Connected Campus: Build an intelligent digital campus"*.
<http://www.cisco.com/c/en/us/solutions/industries/education/connected-campus.html>

-**Coulson, J., Roberts, P. & Taylor, I. (2011)**. *"University Planning and Architecture: The Search for Perfection"*. New York: Routledge, Taylor & Francis Group.

-**Dober, R. P. (2000)**, *"Campus Landscape: Functions, Forms, Features"*. New York: John Wiley & Sons, Inc.

-**Dutton, T. A. & Grant, B. C. (1991)**, *"Campus Design and Critical Pedagogy"*.

-**Envision (2017)**, *"6 Key Elements of 21st Century Classroom Design"*.
<http://www.envisionexperience.com/blog/6-key-elements-of-21st-century-classroom-design>

-**Hanan, H. (2013)**, *"Open Space as Meaningful Place for Students in ITB Campus"*.

-**Laua, S. S. Y., Gouc, Z. & Liub, Y. (2014)**, *"Healthy campus by open space design: Approaches and guidelines"*.

-**Lundström, A., Savolainen, J. & Kostainen, E. (2016)**, *"Case study: developing campus spaces through co-creation"*.
<http://www.tandfonline.com/doi/citedby/10.1080/17452007.2016.1208077>

-**Martin, J., Samels, J. E. (2012)**, *"The Sustainable University: Green Goals and New Challenges for Higher Education Leaders"*. Baltimore: John Hopkins University Press.

-McFarland, A. L., T.M. Waliczek T. M. & Zajicek, J. M. (2008), "The Relationship Between Student Use of Campus Green Spaces and Perceptions of Quality of Life".
<http://horttech.ashspublications.org/content/18/2/232.full>

-RGS Learning (2018), "Shift Happens - Skills for 21st Century Learning and Life: Reflections".
<http://rgslearning.wordpress.com/2018/04/17/shift-happens-skills-for-21st-century-learning-and-life-reflections/>

-Samura, M. (2018), "Understanding Campus Spaces to Improve Student Belonging".
<http://journals.sagepub.com/doi/abs/10.1177/1086482218785887?journalCode=acaa>

-Schmidt, J. (2015), "Shifting Education Paradigms Call for 21st Century Skills".
<http://blog.mimio.com/shifting-education-paradigms-call-for-21st-century-skills>

-Taylor, A. & Enggass, K. (2009), "Linking Architecture and Education: Sustainable Design for Environments". Albuquerque: University of New Mexico Press.

-The Chronicle (2018), "Campus Spaces".
<http://store.chronicle.com/products/campus-spaces-2018?CID=SPACES18ARTICLE>

-The Higher Education Review (2018), "What role Campus Facilities play in 21st-Century Education Scenario?"
<http://www.thehighereducationreview.com/news/what-role-campus-facilities-play-in-21stcentury-education-scenario-nid-646.html>

-Türeyen, M. N. "Yükseköğretim Kurumları - Kampuslar". Tasarım Yayın Grubu.

-US Davis Campus Design Guide
http://dcm.ucdavis.edu/sites/g/files/dgvnsk1011/files/inline-files/part_ii_design_requirements_working_18.pdf

-Thompson Rivers University Campus Design Guidelines
http://www.tru.ca/shared/assets/cmp_design_guidelines34428.pdf

-University of Pennsylvania Design Guidelines and Review of Campus Projects
<http://www.facilities.upenn.edu/sites/default/files/pdfs/BldgDesignGuidelines.pdf>

-University of Houston Campus Design Guidelines and Standards
<http://www.uh.edu/facilities-planning-construction/vendor-resources/owners-design-criteria/design-guidelines/campus-design-guidelines-and-standards-january-2018-july.pdf>

- Swarthmore College Campus Master Plan Report
http://www.swarthmore.edu/sites/default/files/assets/documents/campus-master-plan/Swarthmore_Campus_Master_Plan_Final%20Report.pdf

-The University of Adelaide Master Plan 2016-2035

<http://www.youtube.com/watch?v=wOxDbTNwCOQ>

-The University of Toledo Campus Master Plan Presentation

<http://www.youtube.com/watch?v=SB8t-FHPvhQ>

-University of Washington Campus Master Plan

<http://www.youtube.com/watch?v=XCOwqzAKenI>