



## What? Course Information

Course Code	1200470
Course Title	DIGITAL DESIGN STUDIO
Course Credit / ECTS	6 / 8.0

## Why? Course Catalogue Description

A design research studio. Architectural representation medium will be questioned as an architectural thinking environment. A workshop on abstraction and folding techniques in model making. Relation between model making and digital thinking. Emphasizing the different paradigms of digital design. Introducing a high-end software. Designing thematic and conceptual environments to reveal the enriching relation between the digital and tectonic worlds.

## When? Schedule

1. Wednesday, 16:00 - 18:30
2. Thursday, 9:00 - 12.30

## Who? Instructors

Prof.Dr. ARZU SORGUÇ	<a href="mailto:arzug@metu.edu.tr">arzug@metu.edu.tr</a>	R.59	Thursday 12:30-15:30
Dr. Emre Erkal			
Dr. Müge Kruşa Yemişcioğlu	<a href="mailto:mugek@metu.edu.tr">mugek@metu.edu.tr</a>	R.59	Thursday 12:30-15:30
Araş.Gör. OZAN YETKİN	<a href="mailto:oyetkin@metu.edu.tr">oyetkin@metu.edu.tr</a>	Digital Design Studio	

## At the End...

### Course Objectives

At the end of this course, it is first expected that:

- Students will develop basic knowledge in understanding computational design
- Students will understand new architectural geometries
- Students will be able to develop parametric design models
- Students will be able to question digital media as a design medium rather than a medium for

representation Students will be familiar with fabrication technologies.

### Course Learning Outcomes

By the end of the course the successful students are expected to:

- Be able to follow up state of art computational technologies
- Be able to use at least one parametric design software
- Be able to design the design process in an algorithmic way
- Be able to use at least one fabrication technology in a competent way



## How? Weekly Outline

<b>Week 1. (21.10.2021)</b>	Let's meet! and Find a Time!
<b>Week 2. (28.10.2021)</b>	Prepare the environment
<b>Week 3. (04.11.2021)</b>	Form your team, start to conquer! <i>Project Announcement</i> Assignment I: Define... (What is...?)
<b>Week 4. (11.11.2021)</b>	Present your definition (A1) Assignment II: For whom...? and How? = Scenario Development
<b>Week 5. (18.11.2021)</b>	Present your scenarios Assignment III: Ideamap = Map your ideas
<b>Week 6. (25.11.2021)</b>	<b>Preliminary Jury</b>
<b>Week 7. (02.12.2021)</b>	Classwork: Planning the Process: Time Table Assignment IV. Shopdrawings & Storyboards
<b>Week 8. (09.12.2021)</b>	<b>Presentation:</b> Shopdrawings & Storyboards Presentation of work carried out so far. Two problem definitions.
<b>Week 9. (16.12.2021)</b>	<b>Design &amp; Production &amp; Feedbacks</b>
<b>Week 10. (23.12.2021)</b>	<b>Design &amp; Production</b> <b>Classwork:</b> Generative Ornaments
<b>Week 11. (30.12.2021)</b>	<b>Design &amp; Production &amp; Sweat &amp; Tears</b> New Year Event!
<b>Week 12. (06.01.2022)</b>	Team project work. Revisions and Production
<b>Week 13. (13.01.2022)</b>	FINAL JURY
<b>FINALS. Public presentation and Exhibition</b>	Schedule will be announced later

### Course Material(s) and Reading(s)

To be announced throughout the semester



## Assessment of Student Learning

Assessment	Dates or deadlines	Grade Points (%)
Assignment I	04.11.2021	15
Assignment II	11.11.2021	15
Assignment III	18.11.2021	5
Assignment IV	08.12.2021	5
Preliminary Jury	01.12.2021	15
FINAL JURY	13.01.2021	50
Attendance and Participation		5
<b>Total</b>		100

## Course Policies

### Class Attendance & Participation

Mandatory

### Late Submission of Assignments

Requires report regarding excuse.

### Make up for Exams and Assignments &

NA

### Class and Laboratory Rules (Eating-Drinking, Use of Mobile Phones and Electronic Devices, Civility, etc.)

Eating is not allowed in DDS. Coffee is always welcomed. Use of any electronic device is appreciated and supported.

## Information for Students with Disabilities

To obtain disability related academic adjustments and/or auxiliary aids, students with disabilities must contact the course instructor and the ODTÜ Disability Support Office as soon as possible. If you need any accommodation for this course because of your disabling condition, please contact me. For detailed information, please visit the website of Disability Support Office: <http://engelsiz.metu.edu.tr/>

## Academic Honesty

The METU Honour Code is as follows: *"Every member of METU community adopts the following honour code as one of the core principles of academic life and strives to develop an academic environment where continuous adherence to this code is promoted. The members of the METU community are reliable, responsible and honourable people who embrace only the success and recognition they deserve, and act with integrity in their use, evaluation and presentation of facts, data and documents."*