ARCH 320
The UN Sustainable Development Goals:
An Interdisciplinary Approach for the Future of Our Planet

Spring 2022-2023
Thursdays, 08:30 a.m. to 11:30 a.m.
EMU Faculty of Architecture, AR-A22

Course Instructor	**: Prof. Dr. Şebnem Hoşkara**
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Course Level	**:** Undergraduate
Course Type	**:** University Elective / Area Elective
Credit Value	**:** 3
ECTS Credits	**:**
Duration	**:** 3 hours
Prerequisites	**:** None

Catalogue Description

This course introduces students to all four dimensions of sustainable development – environmental, social, economic, and cultural, through an interdisciplinary introduction to the UN Sustainable Development Goals (SDGs), which explores all SDGs, their progress, and challenges. The course is organized in interactive modules that combine the course theory with exercises and interactions to facilitate learning. The core content of the lessons is complemented with additional material, such as videos, publications, and external websites.

Aims & Objectives

On September 25, 2015, the United Nations General Assembly adopted the 2030 Agenda for Sustainable Development and a new set of goals, collectively called the Sustainable Development Goals (SDGs). This ambitious agenda is a call to action to end poverty, protect the planet, and ensure that all people enjoy peace and prosperity. This course provides an in-depth look at working and planning for SDG implementation. The course aims to introduce new ways of thinking for achieving SDGs with a wider perspective, considering their meaning, environmental aspects, and social and economic value. Students are expected to learn from the successful and unsuccessful examples of SDG implementations through written and visual material while developing their research and critical thinking skills.

Learning Outcomes

On successful completion of this course, all students should be able to:

- Understand the scale, scope, and establishment of the Sustainable Development Goals
- Understand the societal transformations required to meet the SDGs
- Evaluate the role of different disciplines in achieving global goals
- Evaluate the types of transboundary cooperation needed to achieve global goals
- Appreciate the role of civil society in advancing global development

Course Format

The course format includes lectures, video presentations, class discussions, and student presentations. Students are expected to complete the readings and review the requested information before class when/if required and come to each class prepared to discuss the materials assigned. Students' active participation in class discussions which will enrich the course, is required.

Evaluation and Grading

Grades are given on an A to F scale based on the following components of the course:

Overall class attendance and Class Participation (5 %): Students must attend all lectures and contribute/participate in classroom discussions. Missing one lecture will result in a one-point deduction in the final score (100 scales) until a maximum of 10 points is reached. Students may contact the instructor if any personal issues arise during the semester.

Assignments (40 %): Assignments will be graded on a 100-point scale based on completeness, quality, and timeliness. (Assignment 1: 15 %, Assignment 2: 15 %, Assignment 3: 10 %).

Midterm Assignment (25 %): Design your own Final Term Project: Develop ideas for an SDG action!

Final Term Project (30 %): A group project – Do-it-yourself for an SDG!

Assignments are due by 1:00 p.m. on the dates assigned. Each calendar day late will result in the loss of one grade (i.e., a "B" will become a "C").

The grading scale is based on points earned out of 100 possible points in each component area. Number grades correspond with the following letter grades:

95 to 100 = A	85 to 89 = B+	70 to 74 = C+
90 to 94 = A-	80 to 84 = B	65 to 69 = C
	75 to 79 = B-	

Grading Criteria

Students will receive grades according to the following scale:

(A) Excellent: Work at this level is unusually thorough, well-reasoned, creative, methodologically sophisticated, and well-written. Consistently exceeds minimum requirements and produces exceptional work. Strong initiative, attendance, participation, research, and reading. Complete comprehension of course goals

(A-) Very good: Work at this level shows signs of creativity, is thorough and well-reasoned, indicates a strong understanding of appropriate methodological or analytical approaches, and meets professional standards.

(B+) Good: Work is well-reasoned and, thorough, methodologically sound.
This grade indicates that the student has fully accomplished the basic objectives of the course.
Often exceeds minimum requirements for work produced (quality and quantity), attendance,
Research and reading. Participates regularly in class discussions

(B) Adequate: Competent work for a graduate student even though some weaknesses are evident.
Meets key course objectives, but evidence suggests that understanding of some important issues is less than complete.

(B-) Borderline: Meets the minimal expectations for a graduate student in the course. Understanding of salient issues is somewhat incomplete.

(C/-/+) Deficient: Work is inadequately developed or flawed by numerous errors and misunderstandings of important issues. Methodological or analytical work performed is weak and fails to demonstrate the knowledge or technical competence expected of graduate students.

(F) Fail: Work fails to meet even minimal expectations for course credit for a graduate student.
Performance has been consistently weak in methodology and understanding, with serious limits in many areas. Weaknesses or limits are pervasive.

A grade of *incomplete* is given only in an emergency.

Attendance

Your attendance and active participation are integral to your learning experience in this course. If you are unavoidably absent, please notify the course instructor immediately.

Sources of Information & References

To be provided weekly.

Course Schedule (to be completed)

Lectures will be held on **Thursdays** from **08.30 – 11.30** in **AR-A22**. The lecture topics within the semester are as in the following schedule:

CONTENT & SCHEDULE				
The lecture topics within the semester are as in the following schedule. All lectures will start at 8.30.				
WEEK	**DATE (THURSDAYS)**	**CONTENT**	**ASSIGNMENTS Given date**	**ASSIGNMENTS Submission date**
01	**02.03.2023**	**Introduction to the Course** **Lecture 1:** Introduction to SDGs through short videos		
02	**09.03.2023**	**Lecture 2:** SDGs and Architecture **Supported by Short video presentations & discussions**	Assignment 1	
03	**16.03.2023**	**Lecture 3:** Example architectural and urban design projects relating to SDGs **Student presentations**	Assignment 2	Assignment 1
04	**23.03.2023**	**Lecture 4:** SDGs and Urban Design **Guest Presentation by Özge Selen Koç**	Midterm Assignment	
05	**30.03.2023**	**Lecture 5:** SDG13 Climate Action SDG 9 Industry, Innovation, and Infrastructure **Supported by Short video presentations & discussions**		
06	**06.04.2023**	**Lecture 6:** SDG4 Quality Education / SDGs & Education **Guest Presentation by Assist.Prof.Dr. Nazan Doğruer**		Assignment 2 (digital submission)
07	**13.04.2023**	**Lecture 7:** **Student presentations – Midterm Projects**	Assignment 3	Midterm Assignment
08	**20.04.2023**	**Bayram Holiday -** No class		
09	**24.04.2023– 08.05.2023**	**Mid-Term Jury / Exams Period -** No classes		
10	**11.05.2023**	**Lecture 8:** ***Selection of Term Projects & planning for the IntDW*** SDG3 Good Health and Well-being & Healthy Cities SDG5 Gender Equality & Public Space ***Supported by Short video presentations & discussions***		Assignment 3 Final Term Projects (Defined) Assignment 2 (printed submission on 10th May for exhibition)

11	18.05.2023	**Lecture 9:** ***Active Participation in the Design Week with a Lecture Exhibition & SDGs Board Game***	Workshop & Exhibition	
12	25.05.2023	**Project Preparations**		
13	1.06.2023	**Project I - Implementation** <mark>**Food for All**</mark>	1 June World Children Day	
14	8.06.2023	**Project II – Implementation** <mark>**Glapsides Beach Clean-Up**</mark> **Lecture 10:** Course evaluation	4 June World Environment Day 2023	
		FINAL JURIES AND EXAMS		

The instructor reserves to right to make changes to the syllabus, including course schedule and assignment due dates. These changes will be announced as early as possible.

Assignments

Assignment 1 – *Presentation on architectural/urban design projects on selected SDGs* (15 %)

Researching the selected & assigned SDGs ,and presenting them for further discussion in the class. The research and presentations should include a minimum of the answers to the following questions based on the selected SDG for each student:

Within the first 2-3 slides
- What is the SDG about?
- What does it aim?
- What are its specific targets?

Within the next 4-15 slides
- Example projects' description based on the provided Guide – what is the Project, where is it, why and how it is related to the selected SDG

Submission format   : **ppx** (min 12 max 15 slides)
Submission date   : **16 March 2023, due time: 7.00 am**

Assignment 2: SDGs Posters for Design Week Exhibition (%15)

Prepare an Academic Poster (100 cm x 70 cm Vertical) explaining one SDG to the audiance. The poster should include the following information.

- Description of the selected SDG
- Its specific targets
- Progress report findings (2022)
- Two example projects carried out for the selected SDG
- Selected References

Submission format

You are required to present your work in the form of an INFOGRAPHIC (in pdf format).

> *"Infographics are graphic visual representations of information, data, or knowledge intended to present information quickly and clearly. They can improve cognition by utilizing graphics to enhance the human visual system's ability to see patterns and trends."*

The design of the Infographic should be 100 cm x 70 cm Vertical. Try to be clear and bold!

You may use https://www.canva.com/ or any other design tools for the design of you infographics.

Submission date

6th April 2023 (digital submission)
10th May 2023 (printed submission after critics)

Midterm Assignment: Design your own Final Term Project - Develop ideas for an SDG action! (25 %)

Each student is required to submit an action proposal to support/contribute to one or more SDGs.
The proposals will then be presented and evaluated in the class and the final action to become a term project will be designed by the students to be implemented as group work.

Format: A Word file and Powerpoint presentation covering the following points:

1. Project Title *(Slide 1)*
2. Project Purpose (*This project aims to …….) (Slide 2)*
3. Main SDG the Project relates to *(Slide 3)*
4. Other SDGs that the Project relates to *(Slide 3)*
5. Project Summary (*In no more than 200 words, explain what the project plans to achieve and how - including what the activities will be) (Slide 4 – 5)*
6. Project Timing – weekly schedule? *(Slide 6)*
7. Project Stakeholders (Who are involved? Possible partners? Who are the beneficiaries? Who will do what - actions?) *(Slide 7)*
8. Project Requirements (budget, equipment, permissions, specific place, transportation, etc.) *(Slide 8)*
9. Measurement criteria? How to measure success? *(Slide 9)*
10. Any Examples related to the Project *(Slide 10)*
11. References (If one or more sources inspire the Project.) *(Slide 11)*

Assignment 3: Evaluation of Midterm Projects (10 %)

See the provided document in teams / moodle.

Study all students' projects submitted in Teams carefully.

Please make three selections (of the student project proposals), fill in the evaluation table, and send them to the instructor through private messages in teams & UPLOAD IN MOODLE.

When selecting projects, make sure that it is NOT your project!

When you are grading, use the RUBRIC provided in the document.

Final Term Project *(Group work)*: Implementation of action for one or more SDGs (30 %)

Format: Real-life action supported by a post-action video and ppt/ppx presentation (submitted in LMS after the event).