

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
PROJECT DESIGN AFTER DROUGHT	ICT3210433	Spring Semester	3+1	3,5	4
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Elective				
Course Coordinator	Assist.Prof. Hamdi ERGÜL				
Name of Lecturer(s)	Assist.Prof. Hamdi ERGÜL				
Assistant(s)	<p>Approximately 55% of the world's population lives in urban areas. In our country, this rate has reached 92%. Lives shaped by the ever-increasing consumption understanding due to the current economic models are forced to live. Billions of people of all ages, professions and worldviews spend their lives striving for basic needs in similar cities. City life is a choice for some of us, and a necessity for some of us. What is certain is that people from all walks of life can lead a better life based on our orientation towards a sustainable culture that consumes much less natural resources (a system-based definition in the design concept), egalitarian and collaborative. For this, people from all walks of life should take responsibility. It is thought-provoking that in the current city life, everyone has been made too incapable of building their own shelters. It is a universal right for everyone to design their own shelter and to create it with a life in line with the pattern of nature. Every profession we develop in line with modern living conditions is inevitable in the future, the accumulation and concentration of graduates and the related unemployment. It seems clear that most professions are experiencing job problems now and in the future. Human replacement of technology and economic turmoil are some of the parameters that increase the rate of unemployment. In order to meet basic needs such as work, accommodation and food; A more livable world can be created in the name of today and the future when living organisms that are sufficient for everyone are designed with the understanding of design that includes soil, water, air and the life of all living things.</p>				
Aim	<p>Design suggestions for city dwellers, water, soil, air relationship and protective design approaches for these. Conceptual design concepts and post-drought design approaches will be examined. In theoretical narratives, by improving the soil in desert, arid and temperate regions, protecting water and harvesting water; To make learning and developing designs by understanding the patterns of living organisms. Continuing its life in accordance with the rules of nature, to develop designs in accordance with the natural process of the soil and sustainable life principles. To understand the understanding of Permaculture as a science of design. Permaculture's goal is to build a sustainable system. The most important stage of a sustainable system is to reduce the need for outside and reproduce and use the available resources in various ways. The way to establish a system that renews, repairs and produces itself is through here.</p>				
Course Content	<p>This course contains; Course Processing and Land Selection, Conducting a survey on a selected land, Design studies of a selected site through observation, Design development on a selected land, Design development on a selected land, Design development on a selected land, Design development on a selected land, Design development on a selected land, Design development on a selected land, Design development on a selected land, Design development on a selected land.</p>				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
			10, 18, 19, 2, 6	E, F, H	
Teaching Methods	10: Discussion Method, 18: Micro Teaching Technique, 19: Brainstorming Technique, 2: Project Based Learning Model, 6: Experiential Learning				
Assessment Methods	E: Homework, F: Project Task, H: Performance Task				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Course Processing and Land Selection				
2	Conducting a survey on a selected land				
3	Design studies of a selected site through observation				
4	Design development on a selected land				
5	Design development on a selected land				
6	Design development on a selected land				
7	Design development on a selected land				
8	Interim evaluation				
9	Design development on a selected land				
10	Design development on a selected land				
11	Design development on a selected land				
12	Design development on a selected land				
13	Design development on a selected land				
14	Design development on a selected land				
Evaluation Methods		Weight(%)			
Midterm Exam		50			
General Exam		50			

Resources

- Mollison, B., Permakültüre Giriş, Sinek Sekiz Yayınları, 2011, İstanbul.
- Kellog, S., Pettigrew, S., Sürdürülebilir Yaşam Rehberi, Sinek Sekiz yayınları, 2013, İstanbul.
- Fukuoka, M., Doğal Tarımın Yolu Felsefesi ve Uygulaması, Kaos Yayınları, 2011, İstanbul.
- Berger, W., Lorenz, C., Kompost Tuvaletler Susuz Sıhhi Teknikler, Yeni İnsan Yayınevi, 2017, İstanbul.
- Hemenway, T. Permakültür Bahçeleri, Yeni İnsan Yayınevi, 2017, İstanbul.
- Hemenway, T. Permakültür Şehirde, Yeni İnsan Yayınevi, 2018, İstanbul.
- Thoreau, D., H., Doğal Yaşam ve Başkaldırı, Kaknüs Yayınları, 2004, İstanbul.
- Rifkin, J., T., Howard, T., Entropi Dünyaya Yeni Bir Bakış, İz Yayıncılık, 2010, İstanbul.
- Meadows, D.H., Meadows, D.L., Randers, J., Behrens III, W.W., Ekonomik Büyümenin Sınırları, İstanbul Yayın Evi, 1978, İstanbul.
- Ehrlich, P. H., Nüfus Bombası, Ayyıldız Matbaası, 1976
- Wohlleben, P., Ağaçların Gizli Yaşamı Ne Hissederler, Nasıl İletişim Kurarlar? Sırlarla Dolu Bir Dünyada Keşifler, Kitap Kurdu Yayınları, 2018, İstanbul.
- Diamond, J., Çöküş/Medenyetler Nasıl Ayakta Kalır ya da Yıkılır? Timaş Yayınları, 2006 İstanbul.
- Diamond, J., Tüfek Mikrop ve Çelik, Tübitak Yayınları, 2016, İstanbul.
- Aşanlı, M., Geleneksel Yapı Teknikleri Doğal ve Ekolojik Yapı Rehberi, Yeni İnsan Yayınevi, 2016, İstanbul.
- Chödrön, P., Belirsizlik ve Değişimle Birlikte Güzel bir Hayat, Sinek Sekiz yayınları, 2015, İstanbul.
- Pollan, M., Bana Ait Bir Yer, Sinek Sekiz yayınları, 2015.
- Shiva, V., İyilerin Yanında, Sinek Sekiz yayınları, 2012.
- Articles and Book readings. Reports,