TED UNIVERSITY

CE 436
Integrated Coastal Zone Management

REVISED SYLLABUS FOR THE SPRING 2020

EMERGENCY REMOTE TEACHING

Course Information

Required or Elective	☐Required ☑☐Elective	**Date Prepared**	February 2020
Semester	Spring 2020	**Class Hours, Lab. Hours and Classrooms**	Section 1: Tue. 15:00-16:50 @ ZOOM MEETING Fri. 13:00-13:50 @ ZOOM MEETING
Course Credit Hours/ ECTS credits	(3+0+0) 3 / 6	**Pre-requisite/ Co-requisite**	CE 331
Level of Course	Senior	**Language of Instruction**	☑ English ☐ Turkish
Instructor(s) and office hours	Asst. Prof. Dr. Aslı Numanoğlu Genç (asli.genc@tedu.edu.tr) (Office D301) (Office hours: By appointment)		
Teaching Assistant(s)	-		
Student Assistant(s)	-		
Textbook	Lecture Notes Required reading Recommended reading		
Course Web Pages	Please register to Moodle page http://moodle.tedu.edu.tr and regularly follow this link to have access to course materials.		

Course Description

Definition of Coastal Zone; Physical and Ecological Properties of Coastal Zone; Coastal Landforms; Coastal Processes; The Global Ocean and the Climate System; Coastal Structures; Pressures on the Coast; Coastal Pollution; Sea Level Rise; Integrated Coastal Zone Management (ICZM); ICZM Practice in Turkey.

Course Objective

The objective of this course is to introduce the existing pressures on coastal areas, and the strategies developed within the framework of Integrated Coastal Zone Management (ICZM).

Course Learning Outcomes

Upon successful completion of this course, a student specifically will be able to:

1. Identify the physical and ecological properties of the coastal zones. **[B1]**
2. Explain the coastal processes involved within the coastal zone. **[B2]**
3. Show the relation of coastal areas with the global ocean and the climate system. **[B3]**
4. Analyze the anthropogenic impact on the marine coastal areas, and the environmental issues threatening the coastal system. **[B4]**
5. Assess the importance of ICZM with special emphasis on Turkey's coastal areas. **[B5]**
6. Discuss the importance of coastal engineer's responsibility with regard to coastal areas and her/his role in ICZM. **[B5]**

Course Assignments

A. ***Quizzes (52%):*** There will be 4 quizzes each having equal weight from the topics of the course both from Moodle and from McGraw Hill Connect site. The tentative dates of the quizzes are given in the course assessments and learning outcomes matrix.
B. ***Homework (20%):*** Each student is required to register and complete "Introductory Topics in Oceanography" online course.
C. ***Essay Writing (30%):*** Each student is required work on one aspect of coastal zone management, and write 2 short essays on it.

Course Assessments & Learning Outcomes Matrix

Assessment Methods	Course Learning Outcomes
Quiz 1	13^{th}-17^{th} April 2020 #1, #2
Quiz 2	27^{th} April-1^{st} May #2, #3, #4
Quiz 3	11^{st}-15^{th} May #3, #4, #5, #3, #6
Quiz 4	27^{th} – 31^{st} May #1, #2, #3, #4, #5, #3, #6
Homework	You are required to complete 3 out of 6 modules of the "Introductory Topics in Oceanography". These modules are "Introduction to Ocean Tides; Introduction to Ocean Currents and Introduction to Ocean Models". The link is as follows: https://www.meted.ucar.edu/training_course.php?id=13 **Grades to be submitted by: 20th May 2020** #2, #3
Essay Writing	There will be 2 short essays on practical aspects of ICZM. The tentative assignment dates are as follows: 4^{th}-10^{th} May 18^{th}-21^{st} May **To be submitted 1^{st} – 5^{th} June 2020** #4, #5, #6

Relationship to Program Outcomes

This course contributes to fulfillment of the following program outcomes:
Identify, formulate, and solve engineering problems **[PO6].**
Engage in life-long learning to face the future challenges and to achieve an enduring professional development **[PO10].**
Employ state-of-the-art engineering techniques and computing tools necessary for creative engineering solutions **[PO11].**

Course Outline

Week	Topic
1-2	**1. THE COAST** 1.1. Definition of coastal zone 1.2. Coastal landforms 1.3. Coastal landform environments; cliffs; beaches; coastal dunes, Deltas and estuaries;Lagoons; Salt marshes and reefs 1.4. Human impacts on coastal landforms
3-4	**2. COASTAL PROCESSES** 2.1. Waves and tides 2.2. Currents 2.3. Effects of coastal processes on the coastal areas
5	**3. COASTAL STRUCTURES** 3.1. Coastal defence structures 3.2. Berthing structures **QUIZ 1**
6	**4. COASTAL POLLUTION** 4.1 Running water and groundwater 4.2 Indicators of coastal pollution 4.3 Marine litter **QUIZ 2**
7-8-9	**5. THE GLOBAL OCEAN AND CLIMATE** 5.1- Ocean floor; ocean water and ocean life 4.2- The climate system 4.3- Human impact on global climate 4.4- Global warming 4.5- Sea level rise **QUIZ 3**
10-11	**6. INTEGRATED COASTAL ZONE MANAGEMENT** 6.1. Definition and History 6.2. Capacity building and tools 6.3. Case studies **QUIZ 4**
12-13	**7. INTEGRATED COASTAL ZONE MANAGEMENT IN TURKEY** 7.1 Protected coastal areas of Turkey
14	**7. INTEGRATED COASTAL ZONE MANAGEMENT IN TURKEY** 7.2 ICZM Plans in Turkey

Course Policies and Some Remarks

General

1. The course outline and schedule are tentative, and it will be adapted to the pace of the class.

Late Assignment Submission

For each day after the announced deadline, 20% of the total earned mark will be deducted. More than two days of late submissions will not be accepted.

Make Up

There will be no make up for the quizzes, homeworks and the essays. Also please read the document given in the link: http://www.tedu.edu.tr/tr/main/yonetmelikler-ve-yonergeler

Plagiarism

All of the following are considered plagiarism:

- "Turning in someone else's work as your own
- Copying words or ideas from someone else without giving credit
- Copying so many words or ideas from a source that it makes up the majority of your work, whether you give credit or not" (www.plagiarism.org)

Plagiarism is a very serious offense and will be penalized accordingly by the university disciplinary committee. The best way to avoid accidentally plagiarizing is to work on your own before you ask for the help of other resources. Collaboration on non-collected homework and in studying is strongly encouraged; however, the work you hand in must be solely your own. For more information on TEDU policy on intellectual integrity see the link: http://student.tedu.edu.tr/sites/default/files/content_files/2015-2016ogrencielkitabi.pdf

Cheating

Cheating has a very broad description which can be summarized as "acting dishonestly". Some of the things that can be considered as cheating are the following: copying answers on quizzes, homework and lab works, using prohibited material on quizzes, lying to gain any type of advantage in class, providing false, modified or forged data in a report, plagiarizing, modifying graded material to be re-graded, causing harm to colleagues by distributing false information about a quiz, homework or lab. For more information on TEDU policy on intellectual integrity, please see the following link: http://student.tedu.edu.tr/sites/default/files/content_files/2015-2016ogrencielkitabi.pdf

Disability Support

If you have a disabling condition which may interfere with your ability to successfully complete this module, please contact Dr. Onur Özmen (email: onur.ozmen@tedu.edu.tr). For more information please see Handbook for Registered Students.