COURSE DESCRIPTION FORM	
Course Code and Title	NTE213 COASTAL ZONE MANAGEMENT
Semester	4
Catalog description	Coast and coastal problems, boundaries, coastal zones and subsystems of coastal waters, introduction to coastal ecosystems, coastal resources and usage, development of sustainable resources, management of coastal water quality, beach management, management of marine and coastal protected areas, techniques of coastal zone management, legal and institutional situations in Turkey, coastal zone management in Turkey
Required reading	1. Institutional Arrangements for Managing Coastal Resources and Environment by Sorensen and Mc Creary, Coastal Man. Publ. no 1, National Park service, U.S. Department of Interior, Washington D. C. 2nd Ed. 1990.
Recommended reading	2. Coastal Resources Management Guidelines by Snadeker and Getter. Coastal Man. Publ. no 2, National Park Service, U.S Department of Interior. Washington D. C, 1985 3. Marine and Coastal Protected Area: A guide for planners and managers bv Salin. R. V. and Clark. IÜCN. Gland. Switzerland, 1984. 4. Coastal Environments by Carter. Academic Press. 1988. 5. Coastal Ecosystem Management by Clark. John Wiley & Sons. 1977
ECTS	3
Prerequisites and co-requisites	No prerequisite. Required attendance to lectures is at least 70% of total term hours.
Compulsory/Elective	Non-technical elective course
Language of instruction	English
Aim of course	Teaching physical and ecological properties of coastal zones, which are important for coastal zone management, sustainable development and concepts of coastal zone management, sea and coastal culture
Learning outcomes of the course unit	Learning the definition of coast Learning the physical and ecological properties of coasts Learning the judicial aspect of coast Learning the sustainable development and coastal zone management Getting a general idea about sea and coastal culture, technical, environmental, sociological, historical, political and economic properties of sea and coast.
Mode of delivery	The mode of delivery of this course is face to face.
Course content	1) Coast and coastal problems, boundaries, 2) Coastal zones and subsystems of coastal waters, 3) Introduction to coastal ecosystems, 4) Coastal resources and usage, 5) Development of sustainable resources, 6) Management of coastal water quality, 7) Beach management, Management of marine and coastal protected areas, techniques of coastal zone management, 8) Legal and institutional situations in Turkey, coastal zone management in Turkey 9) Midterm I 10) Project presentations and discussions

	11) Project presentations and discussions 12) Project presentations and discussions 13) Project presentations and discussions 14) Project presentations and discussions 15) Project presentations and discussions
Planned learning activities and teaching methods	3 lecture hours per week (3+0) Project preparation Web search and library use Report and presentation preparation Midterm exam and required works Final exam and required works

Assessment methods and criteria

	Quantity	Percentage (%)
Mid-terms	1	30
Assignment	-	-
Exercises	-	-
Projects	1	30
Practice	-	-
Quiz	-	-
Contribution of In-term Studies to Overall Grade %	-	60
Contribution of Final Examination to Overall Grade (%)	-	40
Attendance	-	-

Workload

Efficiency	Total Week Count	Weekly Duration (in hour)	Total Workload in Semester
Theoretical Study Hours of Course Per Week	14	3	42
Practicing Hours of Course Per Week	14	0	0
Reading	14	0	0
Searching in Internet and Library	14	1	14
Designing and Applying Materials	14	0	0
Preparing Reports	7	1	7
Preparing Presentation	14	0	0
Presentation	14	0	0
Mid-Term and Studying for Mid-Term	1	10	10
Final and Studying for Final	1	10	10
Other	0	0	0
Total Workload:			83
Total Workload / 25:			3,22
ECTS:			3

Course's contribution to program

No	Program Learning Outcomes	1	2	3	4	5
1	Adequate knowledge in mathematics, science and engineering subjects pertaining to the relevant discipline; ability to use theoretical and applied knowledge in these areas in complex engineering problems.					
2	Ability to identify, formulate, and solve complex civil engineering problems; ability to select and apply proper analysis and modeling methods for this purpose.					
3	Ability to design a complex system, process, device or product under realistic constraints and conditions, in such a way as to meet the desired result; ability to apply modern design					

		methods for this purpose.					
	4	Ability to devise, select, and use modern techniques and tools needed for analyzing and solving complex problems encountered in civil engineering practice; ability to employ information technologies and to use at least one computer programming language effectively.					
	5	Ability to design and conduct experiments, gather data, analyze and interpret results for investigating complex civil engineering problems or discipline specific research questions.					
	6	Ability to work efficiently in intra-disciplinary and multi-disciplinary teams.			X		
	7	Ability to work individually.					X
	8	Ability to communicate effectively in Turkish, both orally and in writing; ability to write effective reports and comprehend written reports.					
	9	Knowledge of English of B1 level according to Common European Framework of Reference.					
	10	Prepare design and production reports, make effective presentations, and give and receive clear and intelligible instructions.					
	11	Recognition of the need for lifelong learning; ability to access information, to follow developments in science and technology, and to continue to educate him/herself.					
	12	Consciousness to behave according to ethical principles and professional and ethical responsibility.					X
	13	Knowledge on standards used in civil engineering practice.					
	14	Knowledge about business life practices such as project management, risk management, and change management.					
	15	Awareness in entrepreneurship, innovation; knowledge about sustainable development.					
	16	Knowledge about the global and social effects of engineering practices on health, environment, and safety, and contemporary issues of the century reflected into the field of engineering.					X
	17	Awareness of the legal consequences of engineering solutions.					X
Name of lecturer and contact information	Prof. Dr. Can Elmar Balas, cbalas@gazi.edu.tr Prof. Dr. Lale Balas, lalebal@gazi.edu.tr Assoc. Prof. Dr. Asu İnan, asuinan@gazi.edu.tr						