

	Subject (code, title, credits)	GEOG 304-Integrated Water resources management-3 credits (6 ECTS)	
	Department	Geography and Environment	
	Program (undergraduate, graduate)	Undergraduate	
	Term	Spring, 2020	
	Instructor	Rovshan Abbasov	
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	Classroom/hours		
	Office hours		
Prerequisites			
Language	Azeri		
Compulsory/Elective	Compulsory		
Required textbooks and course materials	Core textbook: Isabel Heatcote, Integrated Watershed management Internet source: http://www.iwrm-education.de/		
Course outline	Integrated Water resources management (IWRM) is concerned with the impact of the economy on the water resources, the significance of the water resources to the economy, and the appropriate way of regulating economic activity so that the balance is achieved among environmental economic and other social goals.		
Course objectives	The objective of the course is to furnish students with core knowledge that is necessary for successful implementation of IWRM methods on the water management.		
Learning outcomes	By the end of the course the students should be able: <ul style="list-style-type: none"> ▪ To apply IWRM methods in environmental protection and resource use ▪ To develop relevant management plans ▪ Through lectures, homework, a class project, discussions and guest lectures, students will: <ol style="list-style-type: none"> 1. Gain an understanding of the cause and effect relationship between environmental problems and economic development. 2. Have a service-learning experience related to an environmental economics. 4. Understand how information on natural resources is collected and how it can best be used to facilitate decision-making. 5. Understand how natural resources effect economic development and what type of natural berries economic development has. 6. Learn economic principles of the nature protection; 		
Teaching methods	Lecture		X
	Group discussion		X

	Experiential exercise		x
	Lab		
	Case analysis		
	Course paper		
	Others		
Evaluation	Methods	Date/deadlines	Percentage (%)
	Midterm Exam	April	30
	Quizzes (2)	Five questions for each quiz. (Open and multiple questions).	10
	Class Participation/Activity	Discussion	10
	Project and presentation	Individual and group work	10
	Presentation/Group Discussion		
	Final Exam	June	40
	Others		
	Total		100
Policy			

Tentative Schedule			
Week	Date/Day (tentative)	Topics	Textbook/Assignments
1	10-12.02.2020	Watershed inventory	Chapter 2
2	17-19.02.2020	Watershed Inventory	Chapter 2
3	24-26.02.2020	Problem definition and scoping	Chapter 3
4	02-04.03.2020	The consultation process	Chapter 4
5	09-11.03.2020	Developing workable management options	Chapter 5
6	16-18.03.2020	Assessment methods	Chapter 6&7
7	30.03-01.04.2020	Costing and Financing	Chapter 8
8	06-08.04.2020	Valuation methods	Handout provided
9	13.04.2020	Midterm examination	
10	15.04.2020	Valuation methods	Handout provided
11	20-22.04.2020	Legal, institutional and administrative concerns	Chapter 9
12	27-29.04.2020	Environmental Impact Assessments	Chapter 10
13	04-06.05.2020	Social Impact Assessments	Chapter 10

14	11-13.05.2020	Choosing the best plan	Chapter 11
15	18-20.05.2020	Implementing the plan	Chapter 12
16	25-27.05.2020	Field Work	
		Final exam	