Identification	Subject	PETE 202 Introduction to Petroleum Engineering 6		
		ECTS		
	Department	Petroleum Engineering		
	Program	Undergraduate		
	Term	Autumn, 2022		
	Instructor	Zumrud Aslanova		
	E-mail:	zumrud95@gmail.com		
	Phone:			
	Classroom/hours	11 Mehseti str. (Neftchilar campus)		
	Office hours			
Prerequisites	Consent of instructor			
Language	English			
Compulsory/Elective	Elective			
Required textbooks	Core textbook:			
and course materials	• Richard L. Christiansen, John R Fanchi, Introduction toPetroleum			
	Engineering			
Course outline	This course is designed for the Petroleum Students and other Technical			
	Specialties. Course addresses the basic principles of Petroleum Engineering.			
	Some concepts from Reservoir Engineering, Exploration, Drilling and			
	Completion will be covered during the course. Practical exercises on reserve			
	estimation and pore pressure calculations will be addressed.			
Course objectives	Generic Objective of the Course:			
	\checkmark To equip students with the basic concepts, methods and techniques			
	inpetroleur	n engineering.		
	✓ To prepare	\checkmark To prepare students for the industry environment Specific		
	Objectives	Objectives of the Course:		
	\checkmark To support the students academically, to improve their chance			
	ofrealizing	their potential		
	✓ To encourage students participation and interaction and fostering			
	atmosphere	e of tolerance and respect		
	✓ To develop	o an understanding of the theory and practice of		
	managerial	analysis, and strategic decisions		
	The contents w	vill be based on general concepts which were provided		
	The contents will be based on general concepts which were provided			
	during previous class Quizzes will cover the materials covered in previous			
	classes. There will be 6 quizzes during semester.			

Learning outcomes	By the end of the course the students should be able:				
	✓ To understand petroleum play				
	✓ To be familia	ar with basics of exploration,	drilling and completion		
	✓ To estimate reserves				
	✓ To understand reservoir engineering concepts				
Teaching methods	Lecture		Х		
	Group discussion		Х		
	Experiential exercise		Х		
Evaluation	Methods	Date/deadlines	Percentage (%)		
	Midterm Exam		30		
	Class Participation		5		
	Assignment and		10		
	quizzes				
	Project		15		
	Final Exam		40		
	Total		100		
Policy	Presentation Each	student has one presentation	during this course. Given		
	topics will give to t	he students and they should	make a presentation about		
	topic and present for other students every week				
	 Project objectives Students should search about given topic from book 				
	Students should hand in two reports in docy and PDE format about their				
	researches and presentation. Dead line for handing in all reposts				
	nresentations on one	DVD is until final exam day	It should be noticed that		
	students lecture or presentations will consider as references for their				
	sudents lecture, or presentations will consider as references for their quizzes and exams				
	Propagation for class				
	The structure of this course makes your individual study and preparation				
	outside the class extremely important. The lecture material will focus on				
	the major points introduced in the text. Deading the assigned charters and				
	having some familiarity with them before along will greatly assist your				
	understanding of the lecture. After the lecture you should study your actes				
	understanding of the lecture. After the lecture, you should study your notes				
	and work relevant problems and cases from the end of the chapter and				
	Throughout the com	olis.	anmont		
	I nroughout the semester we will also have an assignment.				
	• withdrawal (pass/fail) This serves strictly follow if it is following the following it is the following				
	I his course strictly follows grading policy of the School of Engineering and				
	Applied Science. 1	nus, a student is normany e.	xpected to achieve a mark		
	of at least 60% to p	ass. In case of failure, ne/sne	e will be required to repeat		
	the course the following term or year.				
	Cheating/plagiarisi		י הויתו		
	Cheating or other p	lagiarism during the Mid-ter	m and Final Examinations		
	will lead to paper cancellation.				
	 Professional behavior guidelines 				
	The students shall behave in the way to create favorable academic and				
	professional environment during the class hours. Unauthorized discussions				
	and unethical behave	ior are strictly prohibited.			

Tentative Schedule						
k	Date/Day	Topics	Textbook/Assignments			
Vee	(tentative)					
1			Chapter 1			
	Week I	Course Introduction	~			
2			Chapter 6			
	Week 2	Basics of Petroleum Geology.				
		Reservoir, Trap, Seal, Timing, Maturation &				
		Migration				
3			Chapter 3			
	Week 3	• Reservoir Rock and Fluid Properties				
4			Chapter 4			
	Week 4	Reservoir Rock Fluid Properties	1			
		(continued) an				
		d				
5			Chapter 1 and 14			
	Week 5	• Basics of Reservoir Engineering, Drive				
		Mechanism				
		S				
6		• Basics of Reservoir Engineering, Drive	Chapter 1 and 14			
	Week 6	Mechanisms (continued)				
7	Week 7	Midterm Exam				
8			Chapter 7 and 9			
		Introduction to Petrophysics				
	Week 8					
9			Chapter 8			
	Week 9	Basics of Drilling and Completion				
10			Chapter 10			
	Week 10	• Basics of Drilling and Completion(continued)				
11			Chapter 1 and 14			
11	Week 11	Basics of Production Engineering				
12	WEEK II		Chapter 2			
12	Week 12	Reserve Estimation				
13	Week 13		Chapter 2			
15	WOOK 15	• Reserve Estimation (continued)				
14						
17	Week 14	• Environmental Issues. Alternative Energy				
	WOOK 14	Sources				
	TBA	Final Exam				

This syllabus is a guide for the course and any modifications to it will be announced in advance.