Name of Programme: M. Sc. Applied Geology

Course Code: GEO-528

Title of the Course: Practical of Petroleum Geology (Skill Based Course)

No of Credits: 01

Effective from AY: 2022-23

Prerequisites for the course:	Degree of Bachelor of Science in Geology from any UGC recognized Ur or an equivalent examination.	niversity
Objective:	To provide a conceptual understanding of petroleum deposits, p involved in the formation of these deposits.	rocesses
Content:	1 ,	30 hours
Pedagogy:	Megascopic and microscopic identification of minerals/Demonstrations/Laboratory experiments/Plotting and Interpretations.	
References/Re adings	<ol> <li>Mackenzie, W. S. (2015). Atlas of the rock-forming minerals in thin section. Routledge.</li> <li>Barker, A. J. (2017). A key for identification of rock-forming minerals in thin section</li> <li>Deer, W. A., Howie, R. A., and Zussman, J. (1992). An introduction to the rock-forming minerals. 2nd ed. Harlow, Essex, England. New York, NY. Longman Scientific and Technical.</li> <li>Khandpur, R. S. (2006). Handbook of analytical instruments. New York, N.Y. McGraw-Hill Education LL</li> </ol>	
Course outcomes	<ol> <li>Students will learn the subsurface contour mapping.</li> <li>Techniques to calculate porosity and permeability of reservoir rock.</li> <li>Students will learn to interpret the well log data.</li> </ol>	