Course Type	Course Code	Name of Course	L	T	P	Credit
DP	NGLC507	**Sedimentology Practical**	0	0	2	1

Course Objective
In this course the students will study the fundamental concepts, principles and applications of sedimentology through practical exercises
Learning Outcomes
Upon completion of the course, students will be able to: • Analysis and interpretation of grain size data. • Identify and study various types sedimentary rocks in hand specimens and understand the difference between various types of sedimentary rocks such as sandstones and carbonates under microscope • Analysis and Interpretation of palaeocurrent data

Unit No.	Topics to be Covered	Lecture Hours	Learning Outcome
1	Representation of grain size distribution data; Plotting of cumulative distribution curves, Determination of different statistical parameters Interpretation of sedimentary environments.	1	Analysis and interpretation of grain size data.
2	Observation of common siliciclastic, carbonate rocks and heavy minerals under thin section.	11	Identify and study various types sedimentary rocks in hand specimens and understand the difference between various types of sedimentary rocks such as sandstones and carbonates under microscope
3	Analysis and interpretation of Palaeocurrent data	1	Analysis and Interpretation of palaeocurrent data
4	Practical examination	1	
	total	14	

Reference Books:

1. Emery, D., and K.J. Myers, 1996: Sequence stratigraphy; Oxford, Blackwell Science, 297 pp.
2. Reading, H.G., 1978: Sedimentary Environment and Facies, Elsevier, 557pp

Other References:

1. Reineek, H.E. and Singh, I.B., 1973: Depositional Sedimentary Environment, Springer-Verlag, 439pp.
2. Sengupta, S.M., 2007: Introduction to Sedimentology, CBS publisher, 314pp.
3. Selley, R.C., 2000: Applied Sedimentology, Academic Press, 523pp.
4. Tucker, M.E., 2001: Sedimentary Petrology, Blackwell Publishing, 251pp.
5. *Pettijohn E.J.*; *Sedimentary Petrology* – CBS Publishers & Distributors