

DEPARTMENT OF GEOPHYSICS
KURUKSHETRA UNIVERSITY KURUKSHETRA

Outline of the lessons to be delivered during the period February 09-14, 2015

Name of the Teacher:- Dr. S.S.Teotia			
<i>Date</i>	<i>Paper No.</i>	<i>Topic</i>	<i>Reference</i>
10/02/2015	GP-203	Recursive filters	Signal and Systems, M.L. Meade and C.R.Dillon.
11.02.2015	GP-403	Travel Time Equation for dipping layer and faulted bed cases.	Robinson-Basic Exploration Geophysics Lavergne, M. - Seismic Methods
13.02.2015	GP-403	Discussion on Motivation for Seismic Prospecting, Oil Exploration and various its prospects.	Robinson-Basic Exploration Geophysics Lavergne, M. - Seismic Methods

Name of the Teacher: Prof. Dinesh Kumar			
Date	Paper No.	Topic	Reference
10/02/2015	GP-404	Review of Matrix Theory	Book on Matrix theory
11/02/2015	GP-404	Linear Inverse Problem; Classification of Inverse Problems	(i)Time series analysis and inverse theory for Geophysicists: David Gubbins (ii)Geophysical Data analysis: Understanding Inverse problem theory & Practice: Max A. Meju
13/02/2015	GP-404	Least square solution of Linear inverse Problems; A priori information	(i)Time series analysis and inverse theory for Geophysicists: David Gubbins (ii)Geophysical Data analysis: Understanding Inverse problem theory & Practice: Max A. Meju

Name Of the Teacher: Prof. R.C. Patel			
Date	Paper No.	Topic	Reference
9.02.2015	GP-202	Palaeozoic stratigraphy of India	1.Geology of India and Burma: Krishnan 2.Geology of India: Wadia
10.02.2015	GP-202	Palaeozoic stratigraphy of India	
11.02.2015	GP-202	Palaeozoic stratigraphy of India	
12.02.2015	GP-202	Mesozoic stratigraphy of India	
13.02.2015	GP-202	Mesozoic stratigraphy of India	
14.02.2015	GP-202	Seminar	

Name of the Teacher: Dr. R.B.S. Yadav			
<i>Date</i>	<i>Paper No.</i>	<i>Topic</i>	<i>Reference</i>
09.02.2015	GP-401	Acoustic logging: its principal and tools measurement and application	Well Logging for Earth Scientists by Darwin V. Ellis
10.02.2015	GP-401	Acoustic logging: measurement and	Well Logging for Earth

		application	Scientists by Darwin V. Ellis
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Name of the Teacher:- Ms. Manisha Sandhu			
<i>Date</i>	<i>Paper No.</i>	<i>Topic</i>	<i>Reference</i>
09.02.2015	GP-203	Various types of systems, certain problems.	Signal and Systems, M.L. Meade and C.R.Dillon , Chapman and Hall London.
12.02.2015	GP-403	Discussion on Motivation for Seismic Prospecting, Oil Exploration and various its prospects.	Keary and Brooks- Introduction to Geophysical Exploration

Name of the Teacher:- Atul Jhjhria			
<i>Date</i>	<i>Paper No.</i>	<i>Topic</i>	<i>Reference</i>
09/02/2015	GP-404	Forward, backward and central difference method.	Engineering mathematics: Erwin Kreyszig
11/02/2015	GP-403	Mapping of Hydrocarbon bearing and water bearing structures	Dobrin, M.B: Introduction to Geophysical Prospecting
12/02/2015	GP-203	Properties of Z-transform, and region of convergence.	Signal and Systems, M.L. Meade and C.R.Dillon.
13/02/2015	GP-203	Z-transform of Causal and non-causal sequence, inverse-z transform.	Signal and Systems, M.L. Meade and C.R.Dillon.