

**DEPARTMENT OF GEOPHYSICS**  
**KURUKSHETRA UNIVERSITY KURUKSHETRA**

**Outline of the lessons to be delivered during the period February 01-07, 2015**

<b>Name of the Teacher: Dr. S.S.Teotia</b>			
<i>Date</i>	<i>Paper No.</i>	<i>Topic</i>	<i>Reference</i>
04.02.2015	GP-403	Seismic Sources and its various types, its uses, field setup arrangements.	Keary and Brooks- Introduction to Geophysical Exploration Robinson-Basic Exploration Geophysics
06.02.2015	GP-403	Explosive and Non-Explosive Sources, Seismic Refraction Method: Travel Time Equation for Simple one layer case and for variable velocity case.	Keary and Brooks- Introduction to Geophysical Exploration Robinson-Basic Exploration Geophysics

<b>Name of the Teacher: Prof. Dinesh Kumar</b>			
<i>Date</i>	<i>Paper No.</i>	<i>Topic</i>	<i>Reference</i>
04/02/2015	GP-404	Introduction; Forward problem versus Inverse Problems	(i)Geophysical data analysis: Discrete inverse theory: William Menke (ii)Geophysical Data analysis: Understanding Inverse problem theory & Practice: Max A. Meju
06/02/2015	GP-404	Formulation of Inverse Problems	(i)Geophysical data analysis: Discrete inverse theory: William Menke (ii)Geophysical Data analysis: Understanding Inverse problem theory & Practice: Max A. Meju

<b>Name Of the Teacher: Prof. R.C. Patel</b>			
<b>Date</b>	<b>Paper No.</b>	<b>Topic</b>	<b>Reference</b>
4.02.2015	GP-202	Precambrian Stratigraphy of India	1.Geology of India and Burma: Krishnan 2.Geology of India: Wadia
5.02.2015	GP-202	Precambrian Stratigraphy of India	
6.02.2015	GP-202	Precambrian Stratigraphy of India	
7.02.2015	GP-202	Seminar	

<b>Name of the Teacher: Dr. R.B.S. Yadav</b>			
<i>Date</i>	<i>Paper No.</i>	<i>Topic</i>	<i>Reference</i>
02.02.2015	GP-401	Introduction about the Course	Well Logging for Earth Scientists by Darwin V. Ellis
03.02.2015	GP-401	Development of Well-logging, need and support to seismic data interpretation	Well Logging for Earth Scientists by Darwin V. Ellis

Name of the Teacher:- <b>Ms. Manisha Sandhu</b>			
<i>Date</i>	<i>Paper No.</i>	<i>Topic</i>	<i>Reference</i>
02.02.2015	GP-203	Systems and signals definitions, their classification.	Signal and Systems, M.L. Meade and C. R. Dillon, Chapman and Hall London.
05.02.2015	GP-403	Various Geophysical methods and their application, Basics of seismic Prospecting.	Keary and Brooks- Introduction to Geophysical Exploration

Name Of the Teacher: <b>Mr. Atul Jhjhria</b>			
<b>Date</b>	<b>Paper No.</b>	<b>Topic</b>	<b>Reference</b>
02.02.2015	GP-404	Introduction to the finite difference method.	Engineering mathematics: Erwin Kreyszig
04.02.2015	GP-403	Mapping of Hydrocarbon bearing and water bearing structures	Dobrin, M.B: Introduction to Geophysical Prospecting
05.02.2015	GP-203	Z-Transform.	Signal and Systems, M.L. Meade and C.R.Dillon.
06.02.2015	GP-203	Z-Transform.	Signal and Systems, M.L. Meade and C.R.Dillon.