

DRONACHARYA

College of Engineering

KHENTAWAS, FARRUKHNAGAR, GURGAON, HR

Department: Civil Engineering

Academic Session: 2017-18 (Jan-June 2018)

Lesson Plan for the Semester started w.e.f 08.01.2018

Subject with code: Surveying-II (CE-208-F)

Name of Faculty with designation : Ms. Jasira Bashir (Assistant Prof.)

Date & Day	Sem-Class	Unit	Topic/Chapter covered	Academic activity	Test / assignment
17.01.2018 Wednesday	IV-CE	I (Section-A)	Introduction to the subject, Application of the subject and its various units, syllabus, books to be referred, Introduction to Unit-I		
18.01.2018 Thursday	IV-CE	I	Trigonometrically Leveling: Introduction, height and distances-base of the object accessible		Assignment of 02 Ques.
19.01.2018 Friday	IV-CE	I	Base of the object inaccessible, geodetical observation		Assignment of 02 Ques.
24.01.2018 Wednesday	IV-CE	I	Refraction and curvature		Assignment of 02 Ques.
25.01.2018 Thursday	IV-CE	I	Axis signal correction		Assignment of 02 Ques.
7.02.2018 Wednesday	IV-CE	I	Difference in elevation between two points		Assignment of 02 Ques.
8.02.2018 Thursday	IV-CE	II (Section-A)	Triangulation: Triangulation systems and their classification, Strength of Figure (45 min.)		
9.02.2018 Friday	IV-CE	II	Selection of Triangulation stations, Grade of Triangulation		Assignment of 02 Ques.
21.02.2018 wednesday	IV-CE	II	Field work of Triangulation, Triangulation Computations		Assignment of 02 Ques.

Date & Day	Sem-Class	Unit	Topic/Chapter covered	Academic activity	Test / assignment
22.02.2018 Thursday	IV-CE				
23.02.2018 Friday	IV-CE	II	Numericals on Triangulation Computations, Introduction to E.D.M. Instruments		Assignment of 02 Ques.
7.03.2018 Wednesday	IV-CE	II	Introduction to E.D.M. Instruments (30 min.)		
08.03.2018 thursday	IV-CE	III (Section-B)	Survey Adjustment and Treatment of Observations: Definite weight of an observation, most probable values		Assignment of 02 Ques.
21.02.2018 Wednesday	IV-CE	III	Most probable values, types of errors, Principle of least squares		Assignment of 02 Ques.
22.02.2018 Thursday	IV-CE	III	Adjustment of triangulation figures by method of least squares		Assignment of 02 Ques.
23.02.2018 Friday	IV-CE	IV (Section-B)	Astronomy: Definitions of astronomical terms, star at elongation, star at prime vertical star at horizon, Star at culmination (45 min.)		

Date & Day	Sem-Class	Unit	Topic/Chapter covered	Academic activity	Test / assignment
28.02.2018 Wednesday	IV-CE	IV	Celestial coordinate systems, Napier's rule of circular parts		Assignment of 02 Ques.
07.03.2018 Wednesday	IV-CE	IV	Various time systems: sidereal, apparent, solar and mean solar time		Assignment of 02 Ques.
08.03.2018 Thursday	IV-CE	IV	Equation of time- its cause, effect, determination of longitude		Assignment of 02 Ques.
09.03.2018 Friday	IV-CE	IV	Interconversion of time, Determination of time, azimuth and latitude by astronomical observations		Assignment of 02 Ques.
14.03.2018 Wednesday	IV-CE	IV	Numericals on determination of time, azimuth and latitude by astronomical observations		Assignment of 02 Ques.
15.03.2018 Thursday	IV-CE	V (Section-C)	Elements of Photogrammetry: Introduction: types of photographs, terrestrial and aerial photographs (45 min.)		Class Test-4 on Unit-IV (45 min. duration)
16.03.2018 Friday	IV-CE	V	Aerial camera and height displacements in vertical photographs, Stereoscopic vision and stereoscopies		Assignment of 02 Ques.
21.03.2018 Wednesday	IV-CE	2nd Sessional Examinations			
22.03.2018 Thursday	IV-CE				
23.03.2018 Friday	IV-CE				
28.03.2018 Wednesday	IV-CE	V	Height determination from parallax measurement and numericals based on it		Assignment of 02 Ques.
29.03.2018 Thursday	IV-CE	Mahavir Jayanti			
30.03.2018 Friday	IV-CE	V	Flight planning, plotting of radiline method and numericals based on it		Assignment of 02 Ques.
04.04.2018 Wednesday	IV-CE	V	Principle of photo interpretation and photogrammetric monitoring in Civil Engineering		Assignment of 02 Ques.
05.04.2018 Thursday	IV-CE	VI (Section-D)	Introduction to remote sensing and its systems (45 min.)		Class Test-5 on Unit-V (45 min. duration)

Date & Day	Sem-Class	Unit	Topic/Chapter covered	Academic activity	Test / assignment
06.04.2018 Friday	IV-CE	VI	Analysis/measurements on remote sensing analysis		Assignment of 02 Ques.
11.04.2018 Wednesday	IV-CE	VI	Interrelation of data		Assignment of 02 Ques.
12.04.2018 Thursday	IV-CE	VII (Section-D)	Concept of G.I.S. and G.P.S. - Basic components (45 min.)		Class Test-6 on Unit-VI (45 min. duration)
13.04.2018 Friday	IV-CE	VII	Data input, storage and output		Assignment of 02 Ques.
18.04.2018 Wednesday	IV-CE	Pre-University Examinations			
19.04.2018 Thursday	IV-CE				
20.04.2018 Friday	IV-CE				
25.04.2018 Wednesday	IV-CE	Revision of each units or(and) completion of syllabus (if incomplete due to unforeseen conditions) will be done in these three days accompanied by class tests (including Class Test-7 on Unit VII) and assignments.			
26.04.2018 Thursday	IV-CE				
27.04.2018 Friday	IV-CE				
May 01 to 10, 2018	IV-CE	External Practical Exams			
14.05.2018 Onwards	IV-CE	University Theory Examinations			
NOTE: Other industrial visits (which are not mentioned in the session plan) will be conducted on Saturdays due to time constraint to complete the syllabus					