

**Lesson Plan**

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Designation: Assistant Professor

SEM: - 8<sup>th</sup>

Subject: - GEOSYNTHETICS ENGINEERING

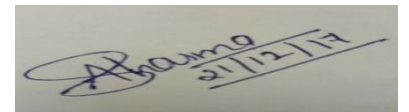
Deptt: - Civil Engineering

for the Session: - 2017-2018(Even Semester)

Month	Class	Topic/Chapters Covered	Academic Activity	Test/ Assignment
January (8 <sup>th</sup> to 10 <sup>th</sup> )	3	Basic description of geosynthetics, historical development and nomenclature of geosynthetics		
January (12 <sup>th</sup> to 17 <sup>th</sup> )	2	function of geosynthetics and its classification		
January (23 <sup>th</sup> )	1	Uses of geosynthetics in around the world		
January (24 <sup>th</sup> )	1	<b>Surprise class test</b>		
January (29 <sup>th</sup> to 30 <sup>th</sup> )	2	Application of geosynthetics in civil engg projects, development in India		
February (5 <sup>th</sup> to 7 <sup>th</sup> )	3	Discuss the process of chain scission in degradation of polymeric material		
February (12 <sup>th</sup> to 16 <sup>th</sup> )	3	Describe the raw material used in the manufacture of geotextiles		
February (5 <sup>th</sup> to 7 <sup>th</sup> )	3	Durability, degradation agencies to which subjected to geosynthetics		
February (8 <sup>th</sup> to 10 <sup>th</sup> )	<b>Cluster 2018 (Academic, Cultural and Sports Activities)</b>			
February (14 <sup>th</sup> to 16 <sup>th</sup> )	3	Polymers, biological resistance, chemical resistance, weathering resistance		
February (19 <sup>th</sup> to 23 <sup>th</sup> )	5	Manufacture method of geosynthetics and characteristics of fiber used		
February (26 <sup>th</sup> to 28 <sup>th</sup> )	<b>Sessional 1<sup>st</sup></b>			
March (5 <sup>th</sup> to 9 <sup>th</sup> )	5	Process used for bonding, flow diagram of manufacturing process of non-woven geotextile		
March (12 <sup>th</sup> to 14 <sup>th</sup> )	3	Woven geotextiles, D.S.F fabrics		
March (15 <sup>th</sup> to 16 <sup>th</sup> )	2	Geogrids and discuss the factor influencing their testing, creep testing		
March (19 <sup>th</sup> to 20 <sup>th</sup> )	2	Sampling and physical, mechanical properties of geogrids, uniaxial loading		
March (21 <sup>th</sup> to 23 <sup>th</sup> )	3	Wind erosion and rain water erosion		
March (26 <sup>th</sup> to 28 <sup>th</sup> )	3	Erosion control measure		
March (29 <sup>th</sup> to 30 <sup>th</sup> )	2	Placement of geogrids		
April (2 <sup>nd</sup> to 4 <sup>th</sup> )	3	Uses of geotextile to improve the bearing capacity of soil		
April (5 <sup>th</sup> to 6 <sup>th</sup> )	2	Modes of failure, friction coefficient		

**Name of Institute: Galaxy Global Educational Trust's Group of Institutions, Dinarpur, Ambala**

April (9 <sup>th</sup> )	1	Case study on meda creek irrigation scheme		
April (10 <sup>th</sup> to 13 <sup>th</sup> )	4	Describe kaparper canal lining with geosynthetics		
April (16 <sup>th</sup> to 18 <sup>th</sup> )	3	Write note on dharoidam, hiran-2 dam		
April (19 <sup>th</sup> to 21 <sup>th</sup> )		<b>Sessional 2<sup>nd</sup></b>		
April (23 <sup>rd</sup> to 24 <sup>th</sup> )	2	Discuss material for temporary, permanent protection of soil		
April (26 <sup>th</sup> to 27 <sup>th</sup> )	2	Construction of geogrids reinforced unpaved roads, TMA, DMA		

A handwritten signature in blue ink is written over the date 11/12/17. The signature is stylized and appears to be 'A. Singh'.