

Session: 2020-2021

Course: B.Tech.

Department: Civil Engineering

Semester: 7<sup>TH</sup>

Subject: Disaster Mitigation & Management, CE-403-F

Faculty name: Mr. Ankit Sharma

### LECTURE PLAN

WEEK	LECTURE	TOPIC
1 <sup>st</sup>	1 <sup>st</sup>	Introduction to disaster Control –integrated approach
	2 <sup>nd</sup>	Role of Civil Engineer
2 <sup>nd</sup>	1 <sup>st</sup>	Hydrological, coastal and marine disaster
	2 <sup>nd</sup>	Atmospheric Disaster
3 <sup>rd</sup>	1 <sup>st</sup>	Assignment 1
	2 <sup>nd</sup>	Test of Section A
4 <sup>th</sup>	1 <sup>st</sup>	Geological mass movement and land disasters
	2 <sup>nd</sup>	Case studies –Damage profile analysis – Uttarkashi
5 <sup>th</sup>	1 <sup>st</sup>	Case studies –Damage profile analysis – Bhuj
	2 <sup>nd</sup>	Case studies –Damage profile analysis – Latur
6 <sup>th</sup>	1 <sup>st</sup>	Disaster mitigation
	2 <sup>nd</sup>	Assignment 2
7 <sup>th</sup>	1 <sup>st</sup>	Forest related disasters
	2 <sup>nd</sup>	Wind and water driven disasters
8 <sup>th</sup>	1 <sup>st</sup>	Mining disasters
	2 <sup>nd</sup>	Major earthquake & causes
9 <sup>th</sup>	1 <sup>st</sup>	Major earthquake & causes
	2 <sup>nd</sup>	Assignment 3
10 <sup>th</sup>	1 <sup>st</sup>	Test for Section B
	2 <sup>nd</sup>	Test for Section C
11 <sup>th</sup>	1 <sup>st</sup>	Building codes & other recommended practices
	2 <sup>nd</sup>	Cyclones – causes & remedies
12 <sup>th</sup>	1 <sup>st</sup>	Landslides – causes & remedies
	2 <sup>nd</sup>	Theoretical concepts & structural behaviour –seismic response of foundation & soil behaviour, failure – deformation.
13 <sup>th</sup>	1 <sup>st</sup>	Theoretical concepts & structural behaviour –seismic response of foundation & soil behaviour, failure – deformation.
	2 <sup>nd</sup>	Hazard resistant construction –symmetry eccentric loading ,framed structure, soft floors ,simple configurations
14 <sup>th</sup>	1 <sup>st</sup>	Hazard resistant construction –symmetry eccentric loading ,framed structure, soft floors ,simple configurations



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	<b>2<sup>nd</sup></b>	Hazard resistant construction –symmetry eccentric loading ,framed structure, soft floors ,simple configurations
<b>15th</b>	<b>1<sup>st</sup></b>	Problem Taking
	<b>2<sup>nd</sup></b>	Test for Section D