

MAHAMAYA INSTITUTE OF MEDICAL AND TECHNICAL SCIENCE,  
 NUAPADA  
 LESSON PLAN

Discipline: <u>Physiology</u>		Semester: <u>4th</u>	Name of the Teaching Faculty: <u>Dr. Smita Acharya</u>
Subject: <u>Neurophysiology</u>		No. of Days / per week class: <u>5</u>	Semester From date: <u>18-03-2022 to 18-06-2022</u>
Week		Class Day	Topics
2nd MARCH	1st		
	2nd		
	3rd		
	4th		Introduction of Neurophysiology, Principles of Neurophysiology.
	5th		
3rd MARCH	1st		Stadia Constant determination.
	2nd		Stadia Neurophysiology with staff held medical
	3rd		line of summation horizontal
	4th		line of summation vertical with problems
	5th		problems solving.
4th MARCH	1st		Elevation and distances of staff stations.
	2nd		problems solving.
	3rd		Concepts, introduction.
	4th		types of nerves
	5th		types of motor nerves.
5th MARCH	1st		purpose and use of nerves.
	2nd		elements of circular nerve, problem solving.
	3rd		setting out of circular nerve by brain & rope
	4th		of nerve from long chord, problem solving
	5th		direction of nerve, effects of nerve agents, drugs

1ST APRIL	1st	Rankine's method with Triangulation
	2nd	Basics of scale and Basics of Map
	3rd	Ratio scale, linear scale
	4th	Map, Map scale
	5th	Characteristics of features of Map
2ND APRIL	1st	Spatial relationship of Maps
	2nd	Classification of Maps
	3rd	Classification of Maps
	4th	Survey of India Map series
	5th	Open series Map
3RD APRIL	1st	Defence series Map
	2nd	Map Nomenclature
	3rd	Settlement Name
	4th	Latitude, Longitude, UTM's
	5th	Contours lines
4TH APRIL	1st	Magnetic Deviation
	2nd	Public land survey system
	3rd	Field notes
	4th	Aerial Photography, Film, Focal length Types of Aerial photographs



5TH APRIL	1st	Photogrammetry: Introduction
	2nd	Classification of Photogrammetry
	3rd	Aerial Photogrammetry
	4th	Terrestrial Photogrammetry
	5th	Photogrammetry process

1ST MAY	1st	Acquisition of Imagery aerial/terrestrial
	2nd	Control survey, orientation and triangulation
	3rd	Photoscopic measurement, X & Y - parallax
	4th	DNA / DEM generation
	5th	ortho image generation.

2ND MAY	1st	Modern surveying methods, Principles, features and use of Micro-optic theodolite.
	2nd	
	3rd	digital theodolite.
	4th	Working Principles of a total station.
	5th	measuring angles, the co-ordinates with

3RD MAY	1st	Total station, with problems
	2nd	Using trigonometry and triangulation
	3rd	System solving
	4th	Problem solving
	5th	Gps - Introduction