

**Mymensingh Polytechnic Intitute**  
**Electromedical Technology**  
**Outline Plan of Teaching 2nd Semester Student**

**SEMESTER PLAN PRESENTATION      T   P   C**

**Subject: RADIOLOGY AND IMAGING EQUIPMENT (28651)      2   3   3**

WEEK	Theory			Practical	
	Content (Specific Objective)	Activity		Content (Practical Job no)	Activity
		Class Test	Learning Material		
1	Radiology and Imaging system . (1.1-1.5)		Ref. books, White board, marker.	Job no: 1	Identify different parts of x-ray tube.
2	Physics of X-rays. (2.1-2.5)			Job no: 2	Perform operation of x-ray machine.
3	Generation and control of x-rays (3.1-3.7)	CT-1		Job no: 3	Detect the problems of x-ray machine and solve the problem.
4	Computed tomography (CT-scanner) system. (4.1-4.6)			Job no:4	Process the film of x-ray.
5	X-ray crystallography and spectroscopy(5.1-5.9)	QT-1		Job no: 5	Operate x -ray film processor.
6	Medical Image processing technique. (6.1-6.5)			Job no: 6	Operate the digital film processor.
<b>MIDTERM EXAMINATION</b>					
7	C-Arm and Cardiac Cath lab Machine. (7.1-7.5)			Job no: 7	Maintenance of digital film processor.
8	Magnetic resonance imaging system. (8.1-8.5)	CT-2		Job no: 8	Identify different parts of ultra-sonogram machine.
9	Ultrasonic and Doppler imaging System. (9.1-9.7)	QT-2		Job no: 9	Demonstrate different parts of C-Arm machine
10	Computer based radiography system. (10.1-10.9)			Job no: 10	Demonstrate different parts of C-Arm machine

Teacher's Name: **S.M Anisur Rahman**

Designation: **Chief Instructor**

Department: **Electromedical**