EPMN304 Electrical Machines II — *Spring 2020*

W#	Lect#	Date	Topic	Date	Tut.#	Sheet #	Semester Work
1	1+2	*10/2*	Introduction & Fundamentals of AC Machines: MMF	*13/2*	**1**	**1**	
2	3	*17/2*	Fundamentals of AC Machines: EMF and Torque	*20/2*	**2**	**1**	
3	4	*24/2*	3-phase Induction Machines: Construction, theory of operation, Equivalent Circuit	*27/2*	**3**	**2**	***Quiz 1: lects 1-2 – sheet 1***
4	5	*2/3*	3-phase Induction Machines: Power Flow and Torque-Speed characteristics	*5/3*	**4**	**3**	***Computer Assignment 1***
5	6	*9/3*	3-phase Induction Machines: Loading & Stability, Modes of Operation, Starting	*12/3*	**5**	**2**	***Quiz 2: lects 3-4 sheet 2***
6	7	*16/3*	3-phase Induction Machines: Braking, Testing, Practical Motors.	*19/3*	**6**	**3**	***Computer Assignment 2***
7	8	*23/3*	1-phase Induction Motors	*26/3*	**7**	**3**	***Quiz 3: lects 5-6 – sheets 2-3***
8	9	*30/3*	1-phase Induction Motors	*2/4*	**8**	**Lab**	***Lab 1: 3-ph Induction Motor***
9		*6/4*	***Mid-term: lects 1-7 – sheets 1-3***	*9/4*	**9**	**4**	
10	10	*13/4*	Synchronous Generator: Principle of operation, Phasor diagram	*16/4*	**10**	**Lab**	***Lab 2: 1-ph Induction Motors***
11	11	*20/4*	Synchronous Generator: Characteristics and tests, Modes of operation	*23/4*	**11**	**5**	***Quiz 4: lects 8-9 – sheet 4***
12	12	*27/4*	Synchronous Generator: Stability, Rating	*30/4*	**12**	**5+Lab**	***Lab 3: Synchronous Generator***
13	13	*4/5*	Synchronous Motor	*7/5*	**13**	**6**	***Quiz 5: lects 10-11 – sheet 5***
14		*11/5*	**Discussion for Computer Assignments 3, 4 & 5**	*14/5*	**14**	**7**	