

**EPMN304: Electrical Machines 2**

**Spring 2020**

W#	Lect#	Date	Topic	Semester Work	Deadline	Grades
1	1+2	10-Feb	Introduction & Fundamentals of AC Machines: MMF			<b>Done</b>
2	3	17-Feb	Fundamentals of AC Machines: EMF and Torque			
3	4	24-Feb	3-phase Induction Machines: Construction, theory of operation, Equivalent Circuit	<i>Quiz 1: lects 1-2 – sheet 1</i>		
4	5	02-Mar	3-phase Induction Machines: Power Flow and Torque-Speed characteristics	<i>Computer Assignment 1</i>		
5	6	09-Mar	3-phase Induction Machines: Loading & Stability, Modes of Operation, Starting	<i>Quiz 2: lects 3-4 sheet 2</i>		
6	7	16-Mar	3-phase Induction Machines: Braking, Testing, Practical Motors.	<i>Computer Assignment 2</i>		
7	8	23-Mar	1-phase Induction Motors	<i>Online Quiz 3: lects 5-6 – sheets 2-3</i>		
8		30-Mar		<i>Computer Assignment 3</i>		
9	9	06-Apr	1-phase Induction Motors	<i>Online Quiz 4: lects 6-7 – sheet 2-3</i>		
10	10	13-Apr	Synchronous Generator: Principle of operation, Phasor diagram	<i>Computer Assignment 4</i>	Tuesday 21 April	
11		20-Apr	<b>Sham El Nseem</b>	<i>Online Quiz 5: lects 8-9 – sheet 4</i>	Wednesday 29 April	6
12	11	27-Apr	Synchronous Generator: Characteristics and tests, Modes of operation	<i>Computer Assignment 5</i>	Monday 4 May	5
13	12+13	04-May	Synchronous Generator: Stability, Rating + Synchronous Motor	<i>Online Quiz 6: lects 10-11 – sheet 4</i>	Wednesday 13 May	6
14				<i>Self Study Report</i>	Monday 18 May	10