

GURU NANAK DEV ENGINEERING COLLEGE LUDHIANA

ELECTRICAL ENGG. DEPARTMENT

Branch EE (D2EE) 3rd Sem.

S. No.	Subject Name	Syllabus
1.	EM-III	<p><u>Module 1</u> - Basic probability</p> <p><u>Module 2</u> - Continuous probability</p> <p><u>Module 3</u> - probability distributions</p> <p><u>Module 4</u> - large sampling <u>Module 5</u> - small sampling</p>
2.	ET and Society	Ch-2- Education Transition, Ch-4.
3	AE	<p>Chapter-4 - differential, Multistage and operational amplifiers</p> <p>Chapter-5. Linear and Nonlinear Applications of OP-AMP.</p>
4	ECA	Chapter- 4, 5, 3 → (half)
5	E Machines-I	CH - 3, 4, 5
6	EMF	Ch - 3, 4, 5

Branch EE (D3EE) 5th Sem.

S. No.	Subject Name	Syllabus
1	SM	1. Alternator (after voltage regulation methods) 2. Sync. Motor 3. Parallel operation
2	IE	CH-3 Choppers CH-5 Cycloconverters CH-6 Inverters
3	N&ST	After R-K Method, full syllabus
4	IE	Transducers DVM's CRO
5	RER	Geothermal Power, Green Buildings Biomass, Hybrid Vehicles Micro-Hydel
6	EAM	CH-4 Instrumentation CH-5 Energy & Climate Change

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Branch EE (D4EE) 7th Sem.

S. No.	Subject Name	Syllabus
1	DCS	Ch-2 Ch-3 Ch-4
2	EEM	<u>Chapter 3 & 4</u>
3	FACTS	Unit-3 (Complete) Unit-4 (Complete)
4	HVE	Breakdown in Solids High Voltage Generation EHV Transmission
5	PSP/SER	PSP - Chapter 3 & 4 of syllabus SER - Chapter 3, 4, 5 of syllabus.
6	CAPSA	Chapters 3 and 4 of Syllabus.

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ELETRICAL ENGG. DEPARTMENT

Branch EE (M1) 1st Sem.

S. No.	Subject Name	Syllabus
1	APSA	CH-2 CH-3 CH-4 CH-5
2	ERPW	CH-3 CH-4 CH-5
3	PSD-1	Ch-3, 4, 5
4	RM and IPR	Chapter 3, 4 & 5 of syllabus
5	Smart Grids	Unit - 2 nd Unit - 3 rd
6	E and HV	

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Branch EE (M2) 3rd Sem.

S. No.	Subject Name	Syllabus
1	OMRPS	Chapter 2 Chapter 3 Chapter 5 (loss modeling, Transmission Pricing in India).
2	Open Elective	

PE