3rd Year Book List 2014-15

Recommendation , E-Essential, R-Recommended, <> Background							Last Modified 24/09/2014		
Course Code	Description	Lecturer	Year	Sem-ester	Recomm-endation	Author	Title	Publisher	Edition
EEE301	Power Systems Engineering	Mr K Mitchell	3	2	R	Arrillaga, J	Computer Modeling of Electrical Power Systems	Wiley	2
EEE301	Power Systems Engineering	Mr K Mitchell	3	2	R	Elgerd, O L	Electrical Energy Systems Theory	McGraw-Hill	2
EEE301	Power Systems Engineering	Mr K Mitchell	3	2	R	Guile, A E	Electrical Power Systems Vol. 1&2	Oliver & Boyd	
EEE301	Power Systems Engineering	Mr K Mitchell	3	2	R	Stevenson, W D	Elements of Power Systems Analysis	McGraw-Hill	
EEE301	Power Systems Engineering	Mr K Mitchell	3	2	R	Weedy, B M	Electric Power Systems	Wiley	4
EEE305	Machine Design	Dr Guang-Jin Li	3	2	R	Say, M G	Alternating Current Machines	McGraw-Hill	
EEE307	Power Electronics	Dr D A Stone	3	2	R	Mohan, N	Power Electronics-Converters, Applications & Design	Wiley	
EEE307	Power Electronics	Dr D A Stone	3	2	R	Williams, B W	Power Electronics-Devices, Drivers & Applications	Macmillan	
EEE307	Power Electronics	Dr D A Stone	3	2	R	Severns, G P	Modern DC-DC Switchmode Power Converter Circuits	Van Nostrand	
EEE307	Power Electronics	Dr D A Stone	3	2	R	Kilgenstein, O	Switch-Mode Power Supplies in Practice	Wiley	
EEE307	Power Electronics	Dr D A Stone	3	2	R	Kassakian	Principles of Power Electronics	Addison-Wesley	
EEE309	Introduction to Digital Signal Processing	Dr W Liu	3	2	R	Mulgrew, Grant and Thompson	Digital Signal Processing: Concepts & Applications	Macmillan Press,	
EEE309	Introduction to Digital Signal Processing	Dr W Liu	3	2	R	Oppenheim and Schafer	Discrete-time Signal Processing	Prentice-Hall	
EEE309	Introduction to Digital Signal Processing	Dr W Liu	3	2	R	Ifeachor and Jervis	Digital Signal Processing – A Practical Approach	Addison-Wesley	
EEE309	Introduction to Digital Signal Processing	Dr W Liu	3	2	R	Proakis and Manolakis	Digital Signal Processing – Principles, Algorithms and Applications	Prentice-Hall	
EEE309	Introduction to Digital Signal Processing	Dr W Liu	3	2	R	Meddins,B	Introduction to Digital Signal Processing	Newnes	
EEE317	Principles of Communications	Dr S Khamas	3	1	R	Sklar	Digital Communications	Prentice-Hall	2
EEE317	Principles of Communications	Dr S Khamas	3	1	R	Zeimer and Peterson	Introduction to digital communications	Prentice-Hall	2
EEE317	Principles of Communications	Dr S Khamas	3	1	R	Young, P H	Electronic Communication Techniques	Prentice-Hall	4
EEE317	Principles of Communications	Dr S Khamas	3	1	R	Stremler, F G	Introduction to communication systems (out of print)	Addison Wesley	
EEE317	Principles of Communications	Dr S Khamas	3	1	R	Benoit, H	Digital Television	Elsevier	2
EEE334	Antennas, Radar & Navigation	Dr A Tennant	3	2	R				
EEE335	Integrated Electronics	Dr L Seed / Dr A Maiden	3	1	R	Weste N & Eshragian K	Principles of CMOS VLSI Design A Systems Perspective	Addison Wesley	
EEE335	Integrated Electronics	Dr L Seed / Dr A Maiden	3	1	R	Uyemura J P	Introduction to VSLI Circuits & Systems	Wiley	
EEE335	Integrated Electronics	Dr L Seed / Dr A Maiden	3	1	R	Rabaey J	Digital Integrated Circuits – A Design Perspective	Prentice Hall	
EEE335	Integrated Electronics	Dr L Seed / Dr A Maiden	3	1	R	Geiger R L, Allen P E & Strader N R	VLSI Design Techniques for Analog & Digital Circuits	McGraw Hill	
EEE335	Integrated Electronics	Dr L Seed / Dr A Maiden	3	1	R	Gray P R, Hurst P J, Lewis S H, Meyer R J	Analysis and Design of Analogue Integrated Circuits	Wiley	
EEE335	Integrated Electronics	Dr L Seed / Dr A Maiden	3	1	R	Sedra & Smith	Microelectronic circuits	Oxford University Press	5
EEE336	Digital Design	Dr N Powell	3	1	R	Millman, J	Microelectronics	McGraw Hill	
EEE337	Semiconductor Electronics	Prof CH Tan	3	2	R	Simon Sze & Ming-Kwei Lee	Semiconductor Devices Physics and Technology	Wiley	
EEE338	Power Engineering	Mr K Mitchell	3	1 & 2	R		Please see EEE 341 and EEE 301		
EEE339	Digital Engineering	Dr W Liu / Dr N	3	1 & 2	R	Ifeachor & Jervis	Digital Signal Processing - A practical approach	Addison-Wesley	

		Powell							
EEE341	Electrical Power Systems	Mr K Mitchell	3	1	R	Weedy, B M	Electric power systems	Wiley	
EEE341	Electrical Power Systems	Mr K Mitchell	3	1	R	Grainger&Stevenson	Power systems analysis	McGraw-Hill	
EEE341	Electrical Power Systems	Mr K Mitchell	3	1	R	Say	Alternating Current Machines	Pitman	
EEE341	Electrical Power Systems	Mr K Mitchell	3	1	R	Shepard & Morton	Higher Electrical Engineering	Pitman	
EEE341	Electrical Power Systems	Mr K Mitchell	3	1	R	Guile & Patterson	Electrical Power Systems, Volumes 1 and 2	Pergamon Press	
EEE342	Feedback Systems Design	Dr.R Purshouse	3	1	R	Ogata, K	Modern Control Engineering	Prentice-Hall, 1997	4
EEE342	Feedback Systems Design	Dr.R Purshouse	3	1	R	Nise	Control Systems Engineering	Benjamin Cummings	
EEE342	Feedback Systems Design	Dr. R.Purshouse	3	1	R	C.C. Bissell	Control Engineering	Chapman & Hall	
EEE342	Feedback Systems Design	Dr. R.Purshouse	3	1	R	G. Franklin, J. Powell & A.E. Nacini	Feedback Control of Dynamic Systems	Addison Wesley	
EEE342	Feedback Systems Design	Dr. R.Purshouse	3	1	R	R.C. Dorf & Bishop	Modern Control Systems	Addison Wesley	
EEE345	Engineering Electromagnetics	T Walther	3	1	R	Kraus,J D	Electromagnetics	McGraw Hill	
EEE345	Engineering Electromagnetics	T Walther	3	1	R	Cheng,DK	Field and wave electromagnetics	Addison-Wesley	2
EEE345	Engineering Electromagnetics	T Walther	3	1	R	Durney,CH, Johnson,CC	Introduction to modern electromagnetics	McGraw-Hill	
EEE345	Engineering Electromagnetics	T Walther	3	1	R	Bradshaw M D and Byatt, WJ	Introduction to engineering field theory	Prentice-Hall	
EEE347	Communication Engineering	Dr S Khamas / Dr A Tennant	3	1 & 2	R	B. Sklar	Digital Communications	Prentice-Hall	2
EEE347	Communication Engineering	Dr S Khamas / Dr A Tennant	3	1 & 2	R	P.H. Young	Electronic Communication Techniques	Prentice-Hall	3
EEE347	Communication Engineering	Dr S Khamas / Dr A Tennant	3	1 & 2	R	Ziemer	Introduction to Digital Communications	Prentice-Hall	2
EEE348	Electronics & Devices	Dr L Seed / Dr A Maiden / Prof CH Tan	3	1 & 2	R	N. Weste & K. Eshragian	Principles of CMOS VLSI Design: A Systems Perspective	Addison Wesley	
EEE349	Power Engineering Electromagnetics	Prof G Jewell	3	1	R	P. Hammond	Electromagnetism for Engineers	Pergamon Press	1986
EEE349	Power Engineering Electromagnetics	Prof G Jewell	3	1	R	D.K Cheng	Field and wave electromagnetics	Addison-Wesley	1989
EEE349	Power Engineering Electromagnetics	Prof G Jewell	3	1	R	K.R. Demarest	Engineering Electromagnetics	Prentice Hall	1998
EEE349	Power Engineering Electromagnetics	Prof G Jewell	3	1	R	W.H. Hayt	Engineering Electromagnetics	McGraw-Hill	1989
EEE349	Power Engineering Electromagnetics	Prof G Jewell	3	1	R	J.D. Kraus	Electromagnetics	McGraw-Hill	1999
EEE350	Electromagnetic Fields and Devices	Dr GJ Li / Prof G Jewell	3	1 & 2	R	P. Hammond	Electromagnetism for engineers	Pergamon Press	1986
EEE350	Electromagnetic Fields and Devices	Dr GJ Li / Prof G Jewell	3	1 & 2	R	D.K. Cheng	Field and wave electromagnetics	Addison-Wesley	1989
EEE350	Electromagnetic Fields and Devices	Dr GJ Li / Prof G Jewell	3	1 & 2	R	K.R. Demarest	Engineering Electromagnetics	Prentice Hall	1998