Recommended Texts of Diploma in Electrical & Electronic Engineering

Course Name	Recommended Text	Author/ Title/ Publisher/ Year	Call No.
Calculus I MATH2184	Main	W. Michael Kelley. Calculus I. Alpha, 2016.	515/KEL
		James Stewart and Lothar Redlin. Precalculus : mathematics for calculus. 7th ed. Brooks Cole, 2015.	510/STE/2016
	Supplementary	Paul Calter & Michael A. Calter. Technical mathematics with calculus. 6th ed. Wiley, 2011.	515/CAL-3
Calculus II MATH2284	Main	Joel Hass, Christopher E. Heil, and Maurice D. Weir. Thomas' Calculus.14th ed. Pearson, 2019.	515/THO/2020
		Dennis G. Zill. Advanced engineering mathematics. 6th ed. Jones & Bartlett Learning, 2018.	620.00151/ZIL-2
	Supplementary	-	
C++ Programming CSEG1004	Main	D. S. Malik. C++ programming : program design including data structures. Cengage Learning, 2017.	005.13/MAL/2018
		D. S. Malik. C++ programming: from problem analysis to program design. 8th ed. Cengage Learning, 2017.	005.13/MAL-2/2018
	Supplementary	Seiichi Nomura. C programming and numerical analysis : an introduction. Morgan & Claypool Publishers, 2018.	518/NOM

Digital Technique I ELEG2004	Main	Ronald J. Tocci, Neal S. Widmer, Gregory L. Moss. <u>Digital systems : principles and application</u>. 12th ed., 2016.	621.381/WID/2017
	Supplementary	William Kleitz. <u>Digital electronics : a practical approach with VHDL</u>. 9th ed. Pearson Education Limited, 2014.	621.381/KLE
		Thomas L. Floyd. <u>Digital fundamentals</u>. 10th ed. Prentice Hall, 2008.	**New ed.: c2015, 11th ed.** 621.3815/FLO-6
		Charles H. Roth. <u>Fundamentals of logic design</u>. 5th ed. Belmont:Brooks/Cole-Thomson Learning, 2004.	**New ed.: c2014, 7th ed.** 621.39/ROT-3
Digital Techniques II ELEG2133	Main	Ronald J. Tocci, Neal S. Widmer, Gregory L. Moss. <u>Digital systems : principles and application</u>. 12th ed. 2016.	621.381/WID/2017
	Supplementary	Robert Dueck & Ken Reid. <u>Digital electronics</u>. Kentucky : Delmar Cengage Learning, 2011.	621.381/DUE
		Dr. R P Jain. <u>Modern digital electronics</u>. 4th ed. Noida : Tata McGraw-Hill, 2010.	621.381/JAI
Electric Circuits I ELEG2043	Main	Charles Alexander & Matthew Sadiku. <u>Fundamentals of electric circuits</u>. 6th ed. McGraw-Hill, 2016.	621.319/ALE/2017

		Charles K. Alexander and Matthew N. O. Sadiku. Fundamentals of electric circuits. 5th ed. McGraw-Hill, 2012.	New ed.: 2017, 6th ed. 621.319/ALE/2017
	Supplementary	-	
Electric Circuits II ELEG 2143	Main	Charles Alexander & Matthew Sadiku. Fundamentals of electric circuits. 6th ed. McGraw-Hill, 2016.	621.319/ALE/2017
		Charles K. Alexander and Matthew N. O. Sadiku. Fundamentals of electric circuits. 5th ed. McGraw-Hill, 2012.	621.319/ALE/2013 621.319/ALE-3
	Supplementary	–	
Electronics I ELEG2044	Mian	Thomas L. Floyd. Electronic devices. 10th ed. Pearson, 2017.	621.3815/FLO-2/2018 *Title should be Electronic devices : electron flow version*
		Robert Boylestad, Louis Nashelsky. Electronic devices and circuit theory. 12th ed. Prentice-Hall, 2013.	621.3815/BOY/2014
	Supplementary	-	
Electronics II ELEG2144	Main	Thomas L. Floyd. Electronic devices. 10th ed. Pearson, 2017.	621.3815/FLO-2/2018 *Title should be Electronic devices : electron flow version*

		Robert Boylestad, Louis Nashelsky. Electronic devices and circuit theory. 12th ed. Prentice-Hall, 2013.	621.3815/BOY/2014
	Supplementary	-	
Engineer and Society EEES2012	Main	C. E. Harris , M. S. Pritchard and M. J. Rabins, R James, E. Englehardt. Engineering ethics : concepts and cases. 6th ed. Belmont : Wadsworth , 2019.	174.962/HAR/2019
		P. AarneVesilind, Alastair S. Gunn. Hold paramount : the engineers responsibility to society. Brooks/Cole-Thompson Learning, 2015.	174.962/VES/2016
	Supplementary	Davis, M. L. &Masten, S. J. Principles of environmental engineering and science. New York : McGraw Hill, 2009.	**Now ed. c2020, 4th ed.** 628/MAS/2020
		Trevor M Letcher. Future energy : improved, sustainable and clean options for our planet. Elsevier, 2008.	**New ed.: c2014, 2nd ed.** 333.79/FUT/2014
Industrial Training ELEG3048	Main	*Reference materials relevant to the individual project to be provided by the project supervisor.*	
	Supplementary	-	
Microprocessors ELEG2214	Main	Salvador Pinillos Gimenez. 8051 Microcontroller : Fundamental Concepts, Hardware, Software and Applications in Electronics.	006.22/GIL

		2019 ed. Springer, 2018	
		Danial Kusswurm. <u>Modern X86 assembly language programming : covers x86 64-bit, AVX, AVX2, and AVX-512</u>. 2nd ed. Apress, 2018.	005.2/KUS/2018
	Supplementary	-	
Physics I PHYS1014	Main	Christine Caputo. <u>McGraw-Hill education SAT subject test physics</u>. 3rd ed. McGraw Hill Professional, 2018.	530.076/CAP/2019
		John D. Cutnell and Kenneth W. Johnson. <u>Physic</u>s. 10th ed. Wiley, 2015.	530/CUT/2015 *Title should be <u>Cutnell & Johnson physics</u>*
	Supplementary	John D. Cutnell, Kenneth W. Johnson and David Marx. <u>Student Study Guide to accompany Physics</u>. 9th ed. Wiley, 2012.	**New ed.: c2015, 10th ed.** 530/CUT-5.2
		John D. Cutnell, Kenneth W. Johnson and David Marx. <u>Student Solutions Manual to Accompany Physics</u>. 9th ed. Wiley, 2012.	**New ed.: c2015, 10th ed.** 530/CUT-4.2 *Title should be <u>Student solutions manual to accompany Cutnell & Johnson Physics</u>*
Physics II PHYS1114	Main	Raymond A. Serway and John W. Jewitt. <u>Physics for scientist and engineers</u>. 10th ed. Cengage Learning, 2018.	530/SER:2/2019 *Title should be <u>Physics for scientists and engineers with modern physics</u>*

	Supplementary	John D. Cutnell and Kenneth W. Johnson. <u>Physics</u>. 11th ed. Wiley, 2018.	530/CUT/2019 *Title should be <u>Cutnell</u> <u>& Johnson physics</u>*
Power Electronics and Electric Machines ELEG3133	Main	Jan E. Melkeebek. <u>Electrical machines and drives : fundamentals and advanced modelling</u>. Springer, 2018.	621.31042/MEL
	Supplementary	Andrzej M. Trzynadlowski. <u>Introduction to Modern Power Electronics</u>. 3rd ed. John Wiley & Sons, 2015.	621.317/TRZ-2
		Muhammad H. Rashid. <u>Power electronics : circuits, devices, and applications</u>. 4th ed. Prentice Hall, c2014.	621.381044/RAS
Programmable Logic Controllers (PLCs) ELEG3233	Main	Frank D. Petruzella. <u>Programmable logic controllers</u>. McGraw Hill, 5th ed, 2016. *Reference materials relevant to the individual project to be provided by the project supervisor.*	629.8/PET-4
	Supplementary	William Bolton. <u>Programmable Logic Controllers</u>. 5th ed. Newnes, 2009.	**New ed. : 2015, 6th ed.** 629.8/BOL/2015
Project & Practice I ELEG3022	Main	*Reference materials relevant to the individual project to be provided by the project supervisor.*	-
	Supplementary	IEE Technical Report Writing (Professional briefing)	-

Course	Type	Reference	Call Number
Project & Practice II ELEG 3124	Main	*Reference materials relevant to the individual project to be provided by the project supervisor.*	-
	Supplementary	IEE Technical Report Writing (Professional briefing)	-
Software Application & Simulations ELEG3023	Main	Stormy Attaway. Matlab : a practical introduction to programming and problem solving. 5th ed. Butterworth-Heinemann, 2018. Sandeep Nagar. Introduction to MATLAB for engineers and scientists : solutions for numerical computation and modeling. Apress, 2017.	518.028553/ATT/2019 510.285536/NAG
	Supplementary	John Bird. Electrical circuit theory and technology. 6th ed. Routledge, 2017. James W. Nilsson, Susan A. Riedel. Introduction to PSpice manual for electric circuits using OrCad Release 9.1. 4th ed. USA: Prentice Hall, 2000.	621.3192/BIR/2017 **New ed.: c2008, 4th ed.** 621.3815/NIL-5 *Title should be Introduction to PSpice manual using OrCAD release 10.5*
Technical Mathematics MATH1053	Main	John Peterson, Robert D. Smith. Introductory technical mathematics. 7th ed. Cengage Learning, 2018.	516/PET/2019
	Supplementary	Paul Calter & Michael A. Calter. Technical mathematics with	515/CAL-3

		calculus. 6th ed. Wiley, 2011.	

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