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View Course Structure

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Course structure for B.Eng. Electrical and Electronics Engineering:- for 100 Level In Alpha Semester

Course	Title	Unit	Туре	Graduation	Proroguisito	homeprogram	
Code	Title	Oilit	lype	Requirement	rrerequisite		
CHM111	Canada Dhusias I Chamista	3	С			Industrial	
CHIVITI	General Physical Chemistry	3				Chemistry	
CHM119	General Chemistry Practical I	1	С			Industrial	
CHIVITIS	General Chemistry Fractical I	ı				Chemistry	
CIT111	Microsoft Office Specialist on	0	С			Computer	
CITTI	Microsoft Office 2013 in WORD	0				Science	
GEC117	Technical Drawing I	1	С			Mechanical	
OLO 117	Technical Drawing 1	'				Engineering	
MAT111	Algebra	3	С			Industrial	
IVIATTI	Aigebia					Mathematics	
MAT112	Trigonometry and Analytical	3	С			Industrial	
IVIATTIZ	Geometry	<u> </u>				Mathematics	
PHY111	Mechanics and Properties of Matter	3	С			Industrial Physics	
PHY112	Heat, Sound and Optics	3	С			Industrial Physics	
PHY119	Physics Practical I	1	С			Industrial Physics	
	Compulsory TOTAL	18		18			
	Use of Library, Study Skills and					Computer	
CST111	Information Communication	2	U			Science	
	Technology I					Science	
GST111	Communication in English I	2	U			English	
	NUC TOTAL	4		4			
EDS111	Entrepreneurial Development	1	V			Business	
EDSTIT	Studies I	'	"			Administration	
TMC111	Total Man Concept I	1	V			ALDC	
TMC112	Total Man Concept - Sports I	0	V			ALDC	
	University TOTAL	2		2			
	GRAND TOTAL	24		24			

Course structure for B.Eng. Electrical and Electronics Engineering:- for 100 Level In Omega Semester

Course Code	Title	Unit	Туре	Graduation Requirement	Prerequisite	homeprogram
CHM122	General Inorganic Chemistry	2	С			Industrial
CHIVITZZ	General morganic Chemistry	2				Chemistry
CHM123	General Organic Chemistry (for	3	С			Industrial
CHIVITZS	Engineering)					Chemistry
CHM129	General Chemistry Practical II	1	С			Industrial
CHIVITZ9	General Ghemistry Fractical II					Chemistry
CIT121	Microsoft Office Specialist on	0	С			Computer
OTTIZT	Microsoft Office 2013 in EXCEL					Science
CIT141	COMPTIA II	0	С			Computer
CITIAT	COMPTIATI					Science
MAT121	Calculus	3	С			Industrial
IVIATIZI	Calculus					Mathematics
MAT122	Introduction to Vector Analysis	2	3 C			Industrial
IVIATIZZ	1122 Introduction to vector Analysis					Mathematics
PHY121	Electricity and Magnetism I	2	С			Industrial Physics
PHY122	Atomic and Nuclear Physics	2	С			Industrial Physics
PHY129	Physics Practical II	1	С			Industrial Physics
	Compulsory TOTAL	17		17		
	Use of Library, Study Skills and					Computer
CST121	Information Communication	2	U			Computer Science
	Technology II					Science
GST121	Communication in English II	2	U			English
GST122	Communication in French	2	U			English
	NUC TOTAL	6		6		
EDS121	Entrepreneurial Development	1	V			Business
EDSIZI	Studies II	'	\ \			Administration
TMC121	Introduction to the Total Man Concept II	1	V			ALDC
TMC122	Total Man Concept - Sports II	0	V			ALDC
	University TOTAL	2		2		
	GRAND TOTAL	25		25		
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Course structure for B.Eng. Electrical and Electronics Engineering:- for 200 Level In Alpha Semester

Course	Title	Unit	Typa	Graduation	Droroguioi t o	homeprogram
Code	little	Unit	Type	Requirement	Prerequisite	nomeprogram
GEC210	Engineering Mathematics I	3	С			Petroleum Engineering
050044	Introduction to Electrical					Electrical and Electronics
GEC211	Engineering I	2	С			Engineering
GEC212	Engineering Graphics	2	С			Mechanical Engineering
GEC213	Material Science and Raw	2	С			Mechanical Engineering
OLO210	Material Studies		L			INCONATION ENGINEERING
GEC214	Applied Mechanics	3	С			Mechanical Engineering
	Applied Computer					Information and
GEC215	Programming I	2	С			Communication
	1 Togramming 1					Engineering
GEC216	Engineering Laboratory 1	1	С			Computer Engineering
						Information and
GEC217	Engineer-In-Society	2	С			Communication
						Engineering
GEC218	Workshop Technology	2	С			Mechanical Engineering
GEC219	Applied Mechanics	1	С			Mechanical Engineering
020210	Practical		ļ			Weenamed Engineering
Co	mpulsory TOTAL	20		20		
GST211	Logic, Philosophy and	2	U			English
001211	Human Existence					English
	NUC TOTAL	2		2		
CIT213	Auto Desk Auto Cad Certified User	0	V			Mechanical Engineering
EDS211	Entrepreneurial Development Studies III	1	V			Business Administration
TMC211	Total Man Concept III	1	V			ALDC
TMC212	Total Man Concept –	0	V			ALDC
	Sports III		Ĺ			-
	niversity TOTAL	2		2		
	GRAND TOTAL	24		24		

Course structure for B.Eng. Electrical and Electronics Engineering:- for 200 Level In Omega Semester

Course Code	Title	Unit	Type	Graduation Requirement	Prerequisite	homeprogram
GEC220	Engineering Mathematics II	3	С			Chemical Engineering
GEC221	Thermodynamics I	3	С			Chemical Engineering
GEC222	Computer Aided Design and Manufacture	2	С			Mechanical Engineering

GEC223	Fluid Mechanics I	3	С		Mechanical Engineering
GEC224	Strength of Materials	3	С		Civil Engineering
	Applied Computer				Information and
GEC225	Programming II	1	С		Communication
	Programming in				Engineering
					Information and
GEC226	Engineering Laboratory II	1	С		Communication
					Engineering
GEC228	Introduction to Electrical	2	С		Electrical and Electronics
OLOZZO	Engineering II				Engineering
Co	ompulsory TOTAL	18		18	
GEC229	Student Work Experience	0	s		Electrical and Electronics
OLO223	Programme (SWEP)				Engineering
	SIWES TOTAL	0			
GST221	Nigerian People and	2	U		Sociology
001221	Culture				Cooloilogy
GST222	Peace and Conflict Studies	2	U		Political Science
	NUC TOTAL	4		4	
CIT222	Auto desk Certified Professional AutoCAD 2017	0	V		Computer Science
CIT242	Introduction to networking	0	V		Computer Science
EDS221	Entrepreneurial Development Studies IV	1	V		Business Administration
TMC221	Total Man Concept IV	1	V		ALDC
TMC222	Total Man Concept - Sports	0	V		ALDC
U	niversity TOTAL	2		2	
	GRAND TOTAL	24		24	

Course structure for B.Eng. Electrical and Electronics Engineering:- for 300 Level In Alpha Semester

Course Code	Title	Unit	Type	Graduation Requirement	Prerequisite	homeprogram
EIE311	Electromagnetic Fields &	3	С			Electrical and
LILOTT	Waves	3				Electronics Engineering
						Information and
EIE312	Communication Principles	3	С			Communication
						Engineering

	GRAND TOTAL	23		23	
ı	University TOTAL	2		2	
TMC312	Total Man Concept –Sports V	0	V		ALDC
TMC311	Total Man Concept V	1	V		ALDC
EDS311	Entrepreneurial Development Studies V	1	V		Business Administration
DLD111	Foundations of Leadership Development	0	V		ALDC
CIT314	CCNA1 Networking Basics CCNA2. Routers and Routing Basics	0	V		Computer Science
	NUC TOTAL	2		2	
GST311	History and Philosophy of Science	2	U		English
С	ompulsory TOTAL	19		19	
GEC310	Engineering Mathematics III	3	С		Information and Communication Engineering
EIE318	Laboratory Course I	2	С		Information and Communication Engineering
EIE317	Electrical Machines I Practical	1	С		Electrical and Electronics Engineering
EIE315	Electrical Machines	2	С		Electrical and Electronics Engineering
EIE314	Electric Circuit Theory	3	С		Electrical and Electronics Engineering
EIE313	Physical Electronics	2	С		Electronics Engineering
	L				Electrical and

Course structure for B.Eng. Electrical and Electronics Engineering:- for 300 Level In Omega Semester

Course Code	Title	Unit	Type	Graduation Requirement	Prerequisite	homeprogram
CIT322	Switching Basic and Intermediate Routing/ CCNA Mining and SPSS Modeller	0	С			Computer Science
EEE321	Electric Power Principles Practical	2	С			Electrical and Electronics Engineering

	GRAND TOTAL	25		25	
	University TOTAL	2		2	
TMC322	Total Man Concept - Sports VI	0	V		ALDC
TMC321	Total Man Concept VI	1	V		ALDC
	Studies VI		_ v		Administration
EDS321	Entrepreneurial Development	1	V		Business
DLD121	Leadership Pathways	0	V		ALDC
	SIWES TOTAL	0			
					Engineering
GEC329	SIWES -Industrial Training II	0	S		Electronics
	Tomparoory To IAL				Electrical and
	Compulsory TOTAL	23		23	
JL0324	Communication				Engineering
GEC324	Technical/Engineering	2	C		Communication
					Engineering Information and
GEC321	Engineening Economics	3	С		Electronics
050004	Engineering Economics	3			Electrical and
					Engineering
GEC320	Numerical Methods	3	С		Mechanical
					Engineering
EIE341	Electric Power Principles	2	С		Electronics
		_			Electrical and
					Engineering
EIE328	Laboratory Practical II	2	С		Computer
					Engineering
EIE327	Digital Electronics	3	С		Communication
					Information and
LILISZU	Techniques				Engineering
EIE326	Software Development	3	С		Computer
					Engineering
EIE323	Analogue Electronics	3	С		Electronics
					Electrical and

Course structure for B.Eng. Electrical and Electronics Engineering:- for 400 Level In Alpha Semester

Course	Tialo	l lmi4		Graduation	Drava suriaita	h a m a n v a n v a m
Code	Title	Unit	Type	Requirement		homeprogram

	Assembly Language					
CEN416		3	С			Computer Engineering
	Programming					E
EEE418	Electromagnetic Fields &	3	С			Electrical and Electronics
	Waves II					Engineering
EIE412	Control Systems	3	С			Electrical and Electronics
	,					Engineering
EIE413	Laboratory Practical and	2	С			Computer Engineering
	Mini Project					Computer Engineering
EIE416	Electrical Measurements	3	С			Electrical and Electronics
LILTIO	and Instrumentation	3				Engineering
	Data Communication and					Information and
EIE418		3	С			Communication
	Computer Network					Engineering
F1F404	Electric Circuit Theory II	0				Electrical and Electronics
EIE431	Electric Circuit Theory II	2	С			Engineering
FIE 400	Electric Circuit Theory	4				Electrical and Electronics
EIE432	Practical	1	С			Engineering
GEC410	Engineering Statistics	3	С			Industrial Mathematics
Co	ompulsory TOTAL	23		23		
OITAAO	Implementing Cisco IP	•				
CIT412	Routing	0	E			Computer Science
017440	Cyber Security specialist		_			Management Information
CIT413	Application Security	0	E			System
	Elective TOTAL	0				
	Entrepreneurial		Ţ,,			
EDS411	Development Studies VII	1	V			Business Administration
TMC411	Total Man Concept VII	1	V			ALDC
	Total Man Concept –Sports					
TMC412	VII	0	V			ALDC
U	Iniversity TOTAL	2		2		
	GRAND TOTAL	25		25		
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Course structure for B.Eng. Electrical and Electronics Engineering:- for 400 Level In Omega Semester

Course Code	Title	Unit	Type	Graduation Requirement	Prerequisite	homeprogram
GEC421	Student Work Experience Programme (SWEP) I	6	S			Student Industrial Work Experience Scheme
GEC422	Student Work Experience Programme (SWEP) II	6	S			Student Industrial Work Experience Scheme

GEC429 SIWES - Industrial Training	6	S		Civil Engineering
SIWES TOTAL	18		18	
GRAND TOTAL	18		18	

Course structure for B.Eng. Electrical and Electronics Engineering:- for 500 Level In Alpha Semester

Course	Title	Unit	Type	Graduation	Prerequisite	homeprogram
Code			-	Requirement		
EEE510	Control Engineering	3	С			Electrical and Electronics
						Engineering
EEE513	Electrical Energy	2	С			Electrical and Electronics
	Conversion& Storage					Engineering
EEE514	Electric Drives	2	С			Electrical and Electronics
						Engineering
EEE515	Use of Engineering	2	С			Computer Engineering
	Software					
EEE516	Computer application to	2	С			Electrical and Electronics
	Power Systems		L_			Engineering
EEE517	PowerElectronics	2	С			Electrical and Electronics
	I OWEI EIGGE OTHES					Engineering
EEE531	Electrical Power Systems	2	С			Electrical and Electronics
LLLJJT	Engineering					Engineering
EIE510	Research Methodology	1	С			Electrical and Electronics
LILSTO	rtesearch Methodology	'				Engineering
EIE512	Systems Reliability and	2	С			Computer Engineering
EIESIZ	Maintainability					Computer Engineering
GEC517	Engineering Law	2	С			Civil Engineering
Co	ompulsory TOTAL	20		20		
DLD211	Leadership and	0	V		ALI	ALDC
DLDZII	Developmental Studies					nebo
EDS512	Cost Engineering	2	V			Business Administration
TMC511	Total Man Concept IX	1	V			ALDC
TMC512	Total Man Concept - Sports	0	V			ALDC
U	niversity TOTAL	3		3		
	GRAND TOTAL	23		23		

Course structure for B.Eng. Electrical and Electronics Engineering:- for 500 Level In Omega Semester

Course	Title	Unit	Туре	Graduation	Prerequisite	homeprogram
Code				Requirement		
EEE520	Advanced Instrumentations	2	С			Electrical and Electronics
	The state of the s					Engineering
EEE525	Electrical Machines II	2	С			Electrical and Electronics
						Engineering
EIE523	Design & Installation of	3	С			Electrical and Electronics
	Electrical & ICT services					Engineering
	Final Year Project	6	С			Information and
EIE529						Communication
						Engineering
GEC527	Engineering Management	3	С			Civil Engineering
C	ompulsory TOTAL	16		16		
EEE521	High Malta and Francis and a	2	E			Electrical and Electronics
	High Voltage Engineering	2	-			Engineering
EEE523	Industrial Electronics	2	E			Electrical and Electronics
EEESZS			-			Engineering
EEE526	Electric Power Systems	2	Е			Electrical and Electronics
EEE320	Planning and Design					Engineering
EEE540	Artificial Intelligence and	2	Е			Electrical and Electronics
EEE540	Applications-EEE					Engineering
EEE541	Digital Signal Processing- EEE	3	Е			Electrical and Electronics
EEE541						Engineering
EEE647	Power Systems Operation and Control	2	Е			Electrical and Electronics
EEE547						Engineering
EIEE04	Electromagnetic	0	Е			Electrical and Electronics
EIE521	Interference	2				Engineering
	Elective TOTAL	15		4		
DLD221	Leadership Dynamics	0	V			ALDC
EDS522	Engineering Valuation	2	V			Business Administration
TMC521	Total Man Concept X	1	V			ALDC
TMC522	Total Man Concept X	0	V			ALDC
TTG222	Leadership Dynamics	0	V			ALDC
ι	Jniversity TOTAL	3		3		
	GRAND TOTAL	34		23		
			1			