

MIZAN TEPI UNIVERSITY

NATURAL SCIENCE STREAM

UNDERGRADUATE PROGRAMS' COURSE DIRECTORY

1st YEAR Engineering & Technology COMMON COURSE UG PROGRAM

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture/ Cr.Hr	Laborator y/Cr.Hr	Tutorial/C r.Hr	Others	Total/Cr. Hr.	List of Courses	Course Codes	Lecture/ Cr.Hr	Laborator y/Cr.Hr	Tutori al/Cr. Hr	Others	Total/Cr. Hr.
1	1st	Communicative English Skills I	FLEn1011	3	0	0	0	3	Communicative English Skills II	FLEn1012	3	0	0	0	3
2		General Physics	Phys 1011	2	1	0	0	3	Social Anthropology	Anth 1011	2	0	0	0	2
3		General Psychology	Psch 1011	3	0	0	0	3	Basic Engineering Course - Applied Maths I	Maths 1021	3	0	0	0	3
4		Mathematics for Natural Science	Math 1011	3	0	0	0	3	History of Ethiopia & the Horn *	Hist 1012	3	0	0	0	3
5		Critical Thinking	LoCT 1011	3	0	0	0	3	Introduction to emerging Technologies	EmTe 1012	2	1	0	0	3
6		Physical fitness	SpSc 1011	1	1	0	0	2	Moral and Civic Education	MCiE 1012	2	0	0	0	2
7		Geography of Ethiopia & the Horn	GeES 1011	3	0	0	0	3	Basic Engineering Course Computer Programing	Chem 1012	2	1	0	0	3

** With respect to Physical fitness course it is put as 2(1+1) Cr.Hr ,i.e 1Cr.Hr lecture and 1Cr.Hr practical with 2contact hr per week; total 3 contact hrs /week

***Economics (3Cr.Hrs.), Global Trends (2Cr.Hrs.), Inclusivness (2Cr.Hrs.)& Entrepreneurship (3Cr.Hrs.) = 10 Cr.Hrs will be offered after 1sr ywar

1.COLLEGE OF ENGINEERING & TECHNOLOGY (SECOND YEAR AND ABOVE COURSES)

1.1 CIVIL ENGINEERING UG PROGRAM

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture/ Cr.Hr	Laborator y/Cr.Hr	Tutorial/ Cr.Hr	Others	Total/Cr. .Hr.	List of Courses	Course Codes	Lecture/ Cr.Hr	Laborator y/Cr.Hr	Tutori al/Cr. Hr	Others	Total/Cr. Hr.
1	2nd	Engineering Mechanics I	CEng 2031	2	0	1	0	3	Hydraulics	Eng 2141	2	1	0	0	3

2	2	Engineering Drawing	MEng 2042	2	1	0	0	3	Strength of Materials	CEng 2081	3	0	1	0	4
3		Applied Mathematics II	Math 2022	3	0	1	0	4	Transport Planning and Modelling	CEng 2171	2	0	1	0	3
4		Probability and Statistics	Stat 2061	2	0	1	0	3	Civil Engineering Workshop Practice	CEng 2051	0	1	0	0	1
5		Introduction to International Relations and Global Issues	GITr 2012	2	0	0	0	2	Engineering Mechanics II	MEng 2032	2	0	1	0	3
6		Introduction to Economics	Econ2012	3	0	0	0	3	Engineering Surveying I	SEng 2071	2	1	0	0	3
7		Inclusiveness	SNIE 1012	2	0	0	0	2	Engineering Geology	CEng 2041	2	1	0	0	3
		Total		16	1	3	0	20	Total		13	4	3	0	20
1	3rd	Theory of Structures I	CEng 3082	3	0	1	0	4	Engineering Hydrology	HWRE 3143	2	0	1	0	3
2		Engineering Surveying II	SEng 3072	2	1	0	0	3	Reinforced Concrete Structures I	CEng 3101	2	0	1	0	3
3		Numerical Methods	CEng 3062	2	0	1	0	3	Geometric Design of Highways and Streets	CEng 3181	2	1	0	0	3
4		Open Channel Hydraulics	HWRE 3142	2	1	0	0	3	Fundamentals of Geotechnical Engineering – II	CEng 3123	2	1	0	0	3
5		Fundamentals of Geotechnical Engineering – I	CEng 3122	2	1	0	0	3	Hydraulic Structure I	HWRE3151	2	0	1	0	3
6		Traffic & Road Safety Engineering	CEng 3172	2	0	0	0	2	Integrated Surveying Field Practice	SEng 3073	0	1	0	0	1
7		Construction Materials	COTM 2091	2	1	0	0	3	Fundamentals of Architecture	Arch 3092	2	1	0	0	3
	Total		15	4	2	0	21	Total		12	4	3	0	19	
1	4th	Water Supply and Treatment	HWRE 4161	2	1	0	0	3	Internship Practice	CEng420	0	15	0	0	15
2		Hydraulic Structures II	HWRE 4152	2	0	1	0	3						0	
3		Contract, specification and quantity survey	COTM 4192	2	0	0	0	2						0	
4		Pavement Materials, Analysis and Design	CEng 4182	2	1	0	0	3						0	
5		Geotechnical Engineering Design – I	CEng 4131	2	0	1	0	3						0	
6		Technical Report Writing & Research Methods for Engineers	CEng 4211	2	0	0	0	2						0	
7		Reinforced Concrete Structures II	CEng 4102	2	0	1	0	3						0	

8		Building Construction	COTM3093	2	1	0	0	3						0	
		Total		16	3	3	0	22	Total		0	15	0	0	15
1	5th	Geotechnical Engineering Design-II	CEng 5132	2	0	1	0	3	Steel & Timber Structures	CEng 5103	2	0	1	0	3
2		Construction Equipment	COTM 5193	2	0	1	0	3	Construction Project Management	COTM 5194	2	0	1	0	3
3		Irrigation Engineering	HWRE 5153	2	0	1	0	3	BSC Thesis	CEng 5213	0	7	0	0	7
4		Waste Water treatment	HWRE 5162	2	0	1	0	3	Elective 2		2	0	1	0	3
5		Environmental Engineering	CENG 5163	2	0	1	0	3	Engineering Economics	CEng 4191	2	0	1	0	3
6		Integrated Civil Engineering Design	CEng5212	0	0	2	0	2	Elective 3		2	0	1	0	3
7		Elective 1		3	0	1	0	4						0	
		Total		13	0	8	0	21	Total		10	7	5	0	22

1.2 CONSTRUCTION TECHNOLOGY & MANAGEMENT UG PROGRAM

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture/ Cr.Hr	Laborator y/Cr.Hr	Tutorial/ Cr.Hr	Others	Total/Cr .Hr.	List of Courses	Course Codes	Lecture/ Cr.Hr	Laborator y/Cr.Hr	Tutori al/Cr. Hr	Others	Total/Cr. Hr.
1	2nd	Principles of Accounting	Acct 2122	3	0	0	0	3	Building Construction, I	CoTM 2071	2	1	0	0	3
2		Engineering Mechanics	CEng 2031	2	0	1	0	3	Construction Materials II	CoTM 2062	2	1	0	0	3
3		Engineering Drawing	MEng 2051	2	1	0	0	3	Construction Drafting and Working Drawing	Arch 2081	2	1	0	0	3
4		Workshop Practice	CoTM 2052	1	2	0	0	3	Probability and Statistics	Stat 2241	2	0	1	0	3
5		Construction Materials I	CoTM 2061	2	1	0	0	3	Strength of Materials	CEng 2101	2	0	1	0	3
6		Introduction to Economics	Econ2121	2	0	1	0	3	Hydraulics	HWRE 2131	2	1	0	0	3
7		Principles of Construction Management	CoTM 2151	2	0	1	0	3						0	
		Total		14	4	3	0	21	Total		12	4	2	0	18
1	3rd	Building Construction II	CoTM 3072	2	1	0	0	3	Architectural Planning and Design	Arch 3091	1	2	0	0	3
2		Theory of Structures	CEng 3102	2	0	1	0	3	Design of Reinforced Concrete Structures	CEng3111	2	0	1	0	3
3		Water Supply and Treatment	HWRE 3132	2	1	0	0	3	Sewage Disposal & Treatment	HWRE 3141	2	1	0	0	3
4		Soil Mechanics	CEng 3171	1	1	1	0	3	Foundation Engineering	CEng 3172	2	0	1	0	3
5		Surveying	SEng 3181	2	2	0	0	4	Highway Engineering, I	CEng 3191	2	0	1	0	3
6		Computer Aided Drafting Data Analysis	Arch 3082	1	1	0	0	2	Construction Specification and Quantity Surveying	CoTM 3201	2	0	2	0	4

7		Human Resource Management in Construction	CoTM 3162	2	0	1	0	3						0	
		Total		12	6	3	0	21	Total		11	3	5	0	19
1	4th	Construction Equipment and Plant Management	CoTM 4161	2	0	1	0	3	Technical Report Writing & Research Methods	CoTM 4242	2	0	1	0	3
2		Highway Engineering II	CEng 4192	1	1	1	0	3	Construction Site Supervision	CoTM 4222	1	1	0	0	2
3		Health and Safety Management in Construction	CoTM 4221	1	0	1	0	2	Internship	CoTM 4251	0	15	0	0	15
4		Construction Planning & Scheduling*	CoTM 4211	2	1	1	0	4						0	
5		Cost Engineering	CoTM 4202	2	0	1	0	3						0	
6		Design and Construction of Water Works	HWRE 4142	2	1	0	0	3						0	
7		Construction Law	CoTM 4231	2	0	1	0	3						0	
		Total		12	3	6	0	21	Total		3	16	1	0	20
1	5th	Financial Management in Construction	CoTM 5163	2	0	1	0	3	Construction Performance & Resource Optimization	CoTM 5164	2	0	1	0	3
2		Bridge and Tunnel Construction	CEng 5193	1	1	0	0	2	Modern Construction Technology and BIM	CoTM 5271	2	0	1	0	3
3		Construction Procurement and Contract Management	CoTM 5232	2	0	1	0	3	BSc. Research	CoTM 5292	0	4	1	0	5
4		Development and construction Economics	CoTM 5261	2	1	0	0	3	Global Trends	GITr 5011	2	0	0	0	2
5		Design of Steel and Timber Structures	CEng 5112	2	0	1	0	3	Inclusiveness	Incl 5012	2	0	0	0	2
6		Holistic Project	CoTM 5291	0	3	1	0	4	Elective	Elective	2	1	0	0	3
		Total		9	5	4	0	18	Total		10	5	3	0	18

1.3 ELECTRICAL & COMPUTER ENGINEERING UG PROGRAM

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture/ Cr.Hr	Laborator y/Cr.Hr	Tutorial/ Cr.Hr	Others	Total/Cr .Hr.	List of Courses	Course Codes	Lecture/ Cr.Hr	Laborator y/Cr.Hr	Tutori al/Cr. Hr	Others	Total/Cr. Hr.
1		Engineering Drawing	MENG 2032	2	1	0	0	3	Fundamentals of Electrical Engineering	ECEG-2051	2	0	1	0	3
2		Engineering Mechanics I (Statics)	CENG2061	2	0	1	0	3	Electrical Engineering Lab I	ECEG-2052	0	1	0	0	1

3	2nd	Applied Engineering Mathematics II	MATH201	3	0	1	0	4	Applied Mathematics III	MATH-2045	3	0	1	0	4
4		Probability and Random Process	ECEG2043	2	0	1	0	3	Engineering Mechanics II (Dynamics)	MENG-2062	2	0	1	0	3
5		International relations and Global issues	IRGI2021	2	0	0	0	2	Electrical Workshop Practice I	ECEG-2071	1	1	0	0	2
6		Introduction to Economics	ECON2103	3	0	0	0	3	Applied Modern Physics	Phy-2048	2	0	1	0	3
7		Inclusiveness Education	InEd2014	2	0	0	0	2	Engineering Thermodynamics	MENG-2063	2	0	1	0	3
		Total		16	1	3	0	20	Total		12	2	5	0	19
1	3rd	Object Oriented Programming	ECEG-3104	2	1	0	0	3	Network Analysis and Synthesis	ECEG-3092	2	0	1	0	3
2		Computational Methods	ECEG-3046	2	1	0	0	3	Digital Logic Design	ECEG-3171	2	1	0	0	3
3		Applied Electronics I	ECEG-3081	2	0	1	0	3	Electrical Materials and Technology	ECEG-3054	2	0	1	0	3
4		Electrical Engineering Lab II	ECEG-3082	0	2	0	0	2	Machines Lab	ECEG-3162	1	1	0	0	2
5		Electromagnetic Fields	ECEG-3053	2	0	1	0	3	Electrical Workshop Practice II	ECEG-3072	1	1	0	0	2
6		Signals and System Analysis	ECEG-3091	2	0	1	0	3	Applied Electronics II	ECEG-3083	2	0	1	0	3
7		Introduction to Electrical Machines	ECEG-3161	2	0	1	0	3	Electrical Engineering Lab III	ECEG-3084	0	2	0	0	2
8							0		Computer architecture and Organization	ECEG-3172	2	1	0	0	3
		Total		12	4	4	0	20	Total		12	6	3	0	21
1	4th (Computer Engineering Stream)	Introduction to Communication Systems	ECEG-4111	2	0	1	0	3	Data Structures	ECEG-4102	2	1	0	0	3
2		Digital Signal Processing	ECEG-4093	2	1	0	0	3	Software Engineering	ECEG-4201	2	0	1	0	3
3		Introduction to Control Engineering	ECEG-4167	2	1	0	0	3	Computer and Network Security	ECEG-4212	2	0	1	0	3
4		Introduction to Power Systems	ECEG-4141	2	1	0	0	3	Data Communication&Computer Networks	ECEG-4211	2	1	0	0	3
5		Electrical Engineering Laboratory V	ECEG-4163	1	1	0	0	2	Database Systems	ECEG-4191	2	1	0	0	3
6		Introduction to Instrumentation	ECEG-4169	2	0	1	0	3	Research Methods and Presentation	ECEG-4231	2	0	0	0	2
7		Microcomputers and Interfacing	ECEG-4173	2	1	0	0	3	Semester Project	ECEG-4232	0	2	0	0	2
		Total		13	5	2	0	20	Total		12	5	2	0	19

1	5th (Computer Engineering)	Industry Internship	ECEG-5221	0	15	0	0	15	Operating systems	ECEG-5202	2	0	1	0	3
2		Introduction to Compilers	ECEG-5203	2	0	1	0	3	Algorithms Analysis and Design	ECEG-5192	2	0	1	0	3
3		Introduction to Robotics	ECEG-5203	2	0	1	0	3	Embedded Systems	ECEG-5182	2	1	0	0	3
4							0		VLSI Design	ECEG-5085	2	0	1	0	3
5							0		B.Sc. Project	ECEG-5233	0	7	0	0	7
		Total		4	15	2	0	21	Total		8	8	3	0	19
1	4th (Power Engineering Stream)	Introduction to Communication Systems	ECEG-4111	2	0	1	0	3	Electrical Machines	ECEG-4164	2	1	0	0	3
2		Digital Signal Processing	ECEG-4093	2	1	0	0	3	Power Electronics	ECEG-4165	2	1	0	0	3
3		Introduction to Control Engineering	ECEG-4167	2	1	0	0	3	Electrical Installation	ECEG-4142	2	1	0	0	3
4		Introduction to Power Systems	ECEG-4141	2	1	0	0	3	Power Systems	ECEG-4143	2	1	0	0	3
5		Electrical Engineering Laboratory V	ECEG-4163	1	1	0	0	2	Research Methods and Presentation	ECEG-4231	2	0	0	0	2
6		Introduction to Instrumentation	ECEG-4169	2	0	1	0	3	Modern Control Systems	ECEG-4168	2	1	0	0	3
7		Microcomputers and Interfacing	ECEG-4173	2	1	0	0	3	Semester Project	ECEG-4232	0	2	0	0	2
		Total		13	5	2	0	20	Total		12	7	0	0	19
1	5th (Power Engineering Stream)	Industry Internship	ECEG-5221	0	15	0	0	15	Introduction to Power System Automation	ECEG-5152	2	1	0	0	3
2		Electrical Drives	ECEG-5166	2	0	1	0	3	Energy Conversion and Rural Electrification	ECEG-5144	2	1	0	0	3
3		Power system Planning and Management	ECEG-5154	2	0	1	0	3	Power System Protection	ECEG-5151	2	1	0	0	3
4							0		Power System Operation and Control	ECEG-5153	2	1	0	0	3
5							0		B.Sc. Project	ECEG-5233	0	7	0	0	7
		Total		4	15	2	0	21	Total		8	11	0	0	19
1	Electronic Communication Stream)	Introduction to Communication Systems	ECEG-4111	2	0	1	0	3	Research Methods and Presentation	ECEG-4231	2	0	0	0	2
2		Digital Signal Processing	ECEG-4093	2	1	0	0	3	Communication systems	ECEG-4113	2	0	1	0	3
3		Introduction to Control Engineering	ECEG-4167	2	1	0	0	3	Optics and Optical Communication	ECEG-4112	2	1	0	0	3
4		Introduction to Power Systems	ECEG-4141	2	1	0	0	3	Antennas and Radio Wave Propagation	ECEG-4124	2	1	0	0	3
5		Electrical Engineering Laboratory V	ECEG-4163	1	1	0	0	2	EM waves and Guide Structures	ECEG-4121	2	1	0	0	3
6		Introduction to Instrumentation	ECEG-4169	2	0	1	0	3	Wireless and Mobile Communication	ECEG-4132	2	1	0	0	3

7	4th	Microcomputers and Interfacing	ECEG-4173	2	1	0	0	3	Semester Project	ECEG-4232	0	2	0	0	2
		Total		13	5	2	0	20	Total		12	6	1	0	19
1	5th (Electronic Communication)	Data Communication and Computer Networks	ECEG-5211	2	1	0	0	3	Telecommunication Networks	ECEG-5131	2	0	1	0	3
2		Microelectronic Devices and Circuits	ECEG-4122	2	1	0	0	3	Switching and Intelligent Networks	ECEG-5214	2	0	1	0	3
3		Industry Internship	ECEG-5221	0	15	0	0	15	B.Sc. Project	ECEG-5233	0	7	0	0	7
4							0		Microwave Devices and systems	ECEG-5123	2	1	0	0	3
		Total		4	17	0	0	21	Total		6	8	2	0	16
1	4th (Industrial Control Engineering Stream)	Introduction to Communication Systems	ECEG-4111	2	0	1	0	3	Modern Control Systems	ECEG-4168	2	1	0	0	3
2		Digital Signal Processing	ECEG-4093	2	1	0	0	3	Power Electronics	ECEG-4165	2	1	0	0	3
3		Introduction to Control Engineering	ECEG-4167	2	1	0	0	3	Electrical Machines	ECEG-4164	2	1	0	0	3
4		Introduction to Power Systems	ECEG-4141	2	1	0	0	3	Electrical Installation	ECEG-4142	2	1	0	0	3
5		Electrical Engineering Laboratory V	ECEG-4163	1	1	0	0	2	Research Methods and Presentation	ECEG-4231	2	0	0	0	2
6		Introduction to Instrumentation	ECEG-4169	2	0	1	0	3	Industrial process control and automation	ECEG-4184	2	0	1	0	3
7		Microcomputers and Interfacing	ECEG-4173	2	1	0	0	3	Semester project	ECEG-4232	0	2	0	0	2
		Total		13	5	2	0	20	Total		12	6	1	0	19
1	5th (Industrial)	Industry Internship	ECEG-5221	0	15	0	0	15	Introduction to Robotics	ECEG-5181	2	0	1	0	3
2		Electrical Drives	ECEG-5166	2	0	1	0	3	Embedded Systems	ECEG-5182	2	1	0	0	3
3		Instrumentation Engineering	ECEG-5169	2	0	1	0	3	B.Sc. Project	ECEG-5234	0	7	0	0	7
7							0		Digital control systems	ECEG-5183	2	1	0	0	3
		Total		4	15	2	0	21	Total		6	9	1	0	16

1.4 HYDRAULIC AND WATER RESOURCE ENGINEERING UG PROGRAM

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture/ Cr.Hr	Laborator y/Cr.Hr	Tutorial/ Cr.Hr	Others	Total/Cr .Hr.	List of Courses	Course Codes	Lecture/ Cr.Hr	Laborator y/Cr.Hr	Tutori al/Cr. Hr	Others	Total/Cr. Hr.
1		Engineering Drawing	MEng- 2033	2	1	0	0	3	Numerical Methods for Engineer	HWRE-2044	2	1	0	0	3
2		Engineering Mechanics (Static)	CEng - 2034	2	0	1	0	3	Probability and Statistics	Stat-2045	2	0	1	0	3

3	2nd	Basic Electricity and Electrical Machine	EEng-2035	2	0	0	0	2	Surveying II	SEng-2052	2	1	0	0	3
4		General Workshop Practice	MEng-2036	0	1	0	0	1	Building construction	CoTM-2082	1	1	0	0	2
5		Applied Mathematics-II	Math -2043	3	0	1	0	4	Strength of Materials	CEng-2091	2	0	1	0	3
6		Surveying-I	SEng-2051	1	1	0	0	2	Fluid Mechanics	HWRE-2111	2	1	0	0	3
7		Construction Materials and Equipment	CoTM-2081	2	1	0	0	3	Introduction to Hydrology	HWRE-2121	2	1	0	0	3
		Total		12	4	2	0	18	Total		13	5	2	0	20
1	3rd	Engineering Geology & Rock Mechanics	Geol-3071	2	1	0	0	3	Soil Mechanics II	CEng-3062	1	1	0	0	2
2		Soil Mechanics I	CEng-3061	1	1	0	0	2	Reinforced Concrete Design-II	CEng-3093	2	0	0	0	2
3		Hydraulics	HWRE-3112	2	1	0	0	3	Ground Water Engineering	HWRE-3124	2	1	0	0	3
4		Reinforced Concrete Design-I	CEng-3092	2	0	1	0	3	Hydraulic Structures I	HWRE-3131	2	0	1	0	3
5		Engineering Hydrology	HWRE-3123	2	0	1	0	3	Hydropower Engineering-I	HWRE-3141	2	1	0	0	3
6		Open Channel Hydraulics	HWRE-3113	2	1	0	0	3	Water Supply & Treatment	WSEE-3151	2	1	0	0	3
7		Hydrological Measurements and Analysis	HWRE-3122	1	1	0	0	2	Irrigation Engineering	WRIE-3161	2	0	1	0	3
		Total		12	5	2	0	19	Total		13	4	2	0	19
1	4th	Foundation Engineering	CEng-4072	2	0	1	0	3	Holistic Examination	HWRE-4201	0	1	0	0	1
2		Contract Specification and Quantity Surveying	CoTM-4101	2	0	0	0	2	Internship	HWRE-4202	0	14	0	0	14
3		Hydraulic Structures II	HWRE-4132	2	1	0	0	3						0	
4		Hydropower Engineering-II	HWRE-4142	2	0	1	0	3						0	
5		Waste Water & Solid Waste Management	WSEE-4152	2	0	0	0	2						0	
6		Software in Hydraulic Engineering	HWRE-4191	1	2	0	0	3						0	
7		Research Methods and Report Writing	HWRE-4211	2	0	0	0	2						0	
		Total		13	3	2	0	18	Total		0	15	0	0	15
1		Engineering Economics	CoTM-5103	2	0	0	0	2	Construction Planning and Management	CoTM-5102	2	0	0	0	2
2		Hydraulic Machines	MEng-5143	2	1	0	0	3	Watershed Management	HWRE-5174	2	0	1	0	3
3		Water Resources Planning & Management	HWRE-5171	2	0	1	0	3	Water law and hydro politics	HWRE-5175	2	0	1	0	3

4	5th	River Engineering & sediment transport	HWRE-5172	2	0	1	0	3	Bridge and Culvert hydraulics	HWRE - 5182	2	1	0	0	3
5		Environmental Impact Assessment	WSEE-5173	2	0	0	0	2	Entrepreneurship for Engineers	Mang-5024	2	0	1	0	3
6		Road Engineering	CEng-5181	2	0	0	0	2	Educational Field Practice	HWRE-5205	0	0	0	0	P/F
7		GIS and Remote Sensing	HWRE- 5192	2	1	0	0	3	Bachelor Thesis	HWRE-5212	0	4	0	0	4
Total				14	2	2	0	18	Total	10	5	3	0	18	

1.5 MECHANICAL ENGINEERING UG PROGRAM

S. No.	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/ Cr.Hr	Others	Total/C r.Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr .Hr	Others	Total/Cr. Hr.
1	2nd	Engineering Drawing	MEng2061	2	1	0	0	3	Engineering Mechanics II Dynamics	MEng2052	2	0	1	0	3
2		Engineering Mechanics - I (Statics)	CEng2051	2	0	1	0	3	Applied Mathematics III	Math2071	3	0	1	0	4
3		Applied Eng. Mathematics II	Math2042	3	0	1	0	4	Strength of Materials I	MEng2111	2	1	0	0	3
4		Probability and Statistics for Engineers	Stat2072	2	0	1	0	3	Engineering Thermodynamics I	MEng2131	2	1	0	0	3
5		Inclusiveness	SNIE2023	2	0	0	0	2	Engineering Materials I	MEng2121	2	1	0	0	3
6		Introduction to Economics	Econ2081	3	0	0	0	3	Basic Electricity & Electronics	ECEng2201	2	1	0	0	3
7		Global Trends	GITr2022	2	0	0	0	2	Workshop Practice - I	MEng2141	1	1	0	0	2
Total				16	1	3	0	20	Total	14	5	2	0	21	
1	3rd	Engineering Materials II	MEng3121	2	1	0	0	3	Mechanisms of Machinery	MEng3161	2	1	0	0	3
2		Engineering Thermodynamics II	MEng3131	2	1	0	0	3	Heat transfer	MEng3172	2	1	0	0	3
3		Electrical Machines and Drives	ECEng3201	2	1	0	0	3	Machine Elements I	MEng3151	2	0	1	0	3
4		Strength of Materials II	MEng3111	2	1	0	0	3	Manufacturing Engineering	MEng3191	2	0	1	0	3
5		Fluid Mechanics	MEng3171	2	1	1	0	4	Numerical Methods	MEng3073	2	1	0	0	3
6		Machine Drawing I	MEng3101	1	2	0	0	3	Machine Drawing II with CAD	MEng3102	1	2	0	0	3
7		Workshop Practice-II	MEng3142	1	1	0	0	2	Introduction to Mechatronics	MEng3211	2	0	0	0	2
Total				12	8	1	0	21	Total	13	5	2	0	20	
1		Machine Elements II	MEng4152	2	0	1	0	3	Material Handling Equipment	MEng4241	2	0	1	0	3

2	4th	Instrumentation and Measurement	MEng4212	2	1	0	0	3	Metrology Lab Exercise	MEng4301	1	1	0	0	2
3		Machine Design Project I	MEng4181	1	0	2	0	3	Internship	MEng4261	0	15	0	0	15
4		Manufacturing Engineering II	MEng4192	2	1	0	0	3						0	
5		Turbo machinery	MEng4221	2	1	0	0	3						0	
6		Technical writing & research Methodology	MEng4231	2	0	0	0	2						0	
7		Mechanical Vibration	MEng4162	2	1	0	0	3						0	
		Total		13	4	3	0	20	Total		3	16	1	0	20
1	5th (Thermal and Energy System Engineering Stream)	Pneumatics and Hydraulics	MEng5271	2	1	0	0	3	Power Plant Engineering	MEng5282	2	0	1	0	3
2		IC Engines and Reciprocating Machines	MEng5222	2	1	0	0	3	Regulation and Control	MEng5213	2	1	0	0	3
3		Introduction to Finite Element Methods	MEng5163	1	0	1	0	2	Industrial Management & Engineering Economy	MEng5291	2	0	1	0	3
4		Machine Design Project II	MEng5182	1	0	2	0	3	Thermo-Fluid System Design	MEng5362	2	1	0	0	3
5		Maintenance of Machinery	MEng5251	2	0	1	0	3	B.Sc. Thesis	MEng5322	0	6	0	0	6
6		Refrigeration and air conditioning	MEng5281	2	1	0	0	3						0	
7		Design of Renewable Energy Systems	MEng5361	2	0	1	0	3						0	
		Total		12	3	5	0	20	Total		8	8	2	0	18
1	5th (Motor Vehicle Engineering Stream)	Pneumatics and Hydraulics	MEng5271	2	1	0	0	3	Power Plant Engineering	MEng5282	2	0	1	0	3
2		IC Engines and Reciprocating Machines	MEng5222	2	1	0	0	3	Regulation and Control	MEng5213	2	1	0	0	3
3		Introduction to Finite Element Methods	MEng5163	1	0	1	0	2	Industrial Management & Engineering Economy	MEng5291	2	0	1	0	3
4		Machine Design Project II	MEng5182	1	0	2	0	3	Motor Vehicle Engineering	MEng5412	2	1	0	0	3
5		Maintenance of Machinery	MEng5251	2	0	1	0	3	B.Sc. Thesis	MEng5322	0	6	0	0	6
6		Refrigeration and air conditioning	MEng5281	2	1	0	0	3						0	
7		Heavy Duty and Construction Equipment	MEng5431	2	0	1	0	3						0	
		Total		12	3	5	0	20	Total		8	8	2	0	18

1	5th (Mechanical Design Engineering Stream)	Pneumatics and Hydraulics	MEng5271	2	1	0	0	3	Power Plant Engineering	MEng5282	2	0	1	0	3
2		IC Engines and Reciprocating Machines	MEng5222	2	1	0	0	3	Regulation and Control	MEng5213	2	1	0	0	3
3		Introduction to Finite Element Methods	MEng5163	1	0	1	0	2	Industrial Management & Engineering Economy	MEng5291	2	0	1	0	3
4		Machine Design Project II	MEng5182	1	0	2	0	3	Agricultural Machinery Design	MEng5352	2	0	1	0	3
5		Maintenance of Machinery	MEng5251	2	0	1	0	3	B.Sc. Thesis	MEng5322	0	6	0	0	6
6		Refrigeration and air conditioning	MEng5281	2	1	0	0	3						0	
7		Product Design and development	MEng5341	2	0	1	0	3						0	
		Total		12	3	5	0	20	Total		8	7	3	0	18
1	5th (Manufacturing Engineering Stream)	Pneumatics and Hydraulics	MEng5271	2	1	0	0	3	Power Plant Engineering	MEng5282	2	0	1	0	3
2		IC Engines and Reciprocating Machines	MEng5222	2	1	0	0	3	Regulation and Control	MEng5213	2	1	0	0	3
3		Introduction to Finite Element Methods	MEng5163	1	0	1	0	2	Industrial Management & Engineering Economy	MEng5291	2	0	1	0	3
4		Machine Design Project II	MEng5182	1	0	2	0	3	Design of Manufacturing Tools and Dies	MEng5371	2	1	0	0	3
5		Maintenance of Machinery	MEng5251	2	0	1	0	3	B.Sc. Thesis	MEng5322	0	6	0	0	6
6		Refrigeration and air conditioning	MEng5281	2	1	0	0	3						0	
7		Process planning and Product costing	MEng5391	2	0	1	0	3						0	
		Total		12	3	5	0	20	Total		8	8	2	0	18
1	5th (Industrial Engineering Stream)	Pneumatics and Hydraulics	MEng5271	2	1	0	0	3	Power Plant Engineering	MEng5282	2	0	1	0	3
2		IC Engines and Reciprocating Machines	MEng5222	2	1	0	0	3	Regulation and Control	MEng5213	2	1	0	0	3
3		Introduction to Finite Element Methods	MEng5163	1	0	1	0	2	Industrial Management & Engineering Economy	MEng5291	2	0	1	0	3
4		Machine Design Project II	MEng5182	1	0	2	0	3	Operation planning and control	MEng5352	2	0	1	0	3
5		Maintenance of Machinery	MEng5251	2	0	1	0	3	B.Sc. Thesis	MEng5322	0	6	0	0	6
6		Refrigeration and air conditioning	MEng5281	2	1	0	0	3						0	

7		Plant layout and design	MEng5401	2	0	1	0	3						0	
		Total		12	3	5	0	20	Total		8	7	3	0	18
1	5th (Railway Engineering Stream)	Pneumatics and Hydraulics	MEng5271	2	1	0	0	3	Power Plant Engineering	MEng5282	2	0	1	0	3
2		IC Engines and Reciprocating Machines	MEng5222	2	1	0	0	3	Regulation and Control	MEng5213	2	1	0	0	3
3		Introduction to Finite Element Methods	MEng5163	1	0	1	0	2	Industrial Management & Engineering Economy	MEng5291	2	0	1	0	3
4		Machine Design Project II	MEng5182	1	0	2	0	3	Rail Vehicle Design	MEng5411	2	0	1	0	3
5		Maintenance of Machinery	MEng5251	2	0	1	0	3	B.Sc. Thesis	MEng5322	0	6	0	0	6
6		Refrigeration and air conditioning	MEng5281	2	1	0	0	3						0	
7		Fundamentals of Railway system Engineering	MEng5431	2	0	1	0	3						0	
		Total		12	3	5	0	20	Total		8	7	3	0	18

1.6 SURVEYING ENGINEERING UG PROGRAM															
S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture/ Cr.Hr	Laborator y/Cr.Hr	Tutorial/ Cr.Hr	Others	Total/Cr .Hr.	List of Courses	Course Codes	Lecture/ Cr.Hr	Laborator y/Cr.Hr	Tutori al/Cr. Hr	Others	Total/Cr. Hr.
1	2nd	Applied Mathematics-II	Math2041	3	0	1	0	4	Applied Mathematics III	Math 2042	3	0	1	0	4
2		Engineering Mechanics-I (Statics)	CEng2051	2	0	1	0	3	Topographic Surveying	SEng2132	1	2	0	0	3
3		Fundamentals of Surveying	SEng2131	2	1	0	0	3	Route Surveying	SEng2152	2	1	0	0	3
4		Global Trends	PSIR2011	2	0	0	0	2	Geometric Design of Highways and Streets	Ceng2072	2	0	1	0	3
5		Inclusiveness	SNIE2011	2	0	0	0	2	hotogrammetry-I	SEng2182	2	1	0	0	3
6		Architectural Working Drawing	Arch2031	1	2	0	0	3	Construction Materials	Cotm2102	2	1	0	0	3
7		Probability and Statistics	Stat2041	2	0	1	0	3	Computer Aided Drafting/Design (CAD)	Arch2014	1	2	0	0	3
		Total		14	3	3	0	20	Total		13	7	2	0	22
1		Geographic Information System-I (GIS-I)	SEng3171	1	2	0	0	3	Geographic Information System-II (GIS-II)	SEng3172	1	2	0	0	3
2		Pavement Materials, Analysis and Design	CEng3081	2	1	0	0	3	Introduction to Geodesy	SEng3162	2	0	1	0	3

3	3rd	Construction Surveying	SEng3151	2	1	0	0	3	Spatial Database Management System	SEng3174	2	1	0	0	3
4		Photogrammetry-II	SEng3181	2	1	0	0	3	Transportation Planning and Modeling	CEng3062	2	1	0	0	3
5		Cartography	SEng3141	2	1	0	0	3	Global Navigation Satellite System (GNSS)	SEng3164	2	1	0	0	3
6		Building Construction	COTM3103	3	1	0	0	4	Remote Sensing	SEng3192	2	1	0	0	3
		Total		12	7	0	0	19	Total		11	6	1	0	18
1	4th	Applications of Surveying Software's	SEng4205	1	2	0	0	3	Internship	SEng4232	0	18	0	0	18
2		Advanced Geodesy	SEng4163	2	1	0	0	3							0
3		Theory of Error and Adjustment Computation	SEng4161	2	1	0	0	3							0
4		Contract Specification and Quantity Surveying	COTM4101	2	1	0	0	3							0
5		Research Methodology for engineers	Seng4203	2	0	1	0	3							0
6		Cadastral Surveying	Seng4211	2	2	0	0	4							0
		Total		11	7	1	0	19	Total		0	18	0	0	18
1	5th	Railway Engineering	CEng5111	2	1	0	0	3	Land Administration	SEng5212	2	0	1	0	3
2		Engineering Geology	CEng5091	2	1	0	0	3	Irrigation Engineering	HWRE5122	2	0	1	0	3
		Land law	Laws5211	2	1	0	0	3	Introduction to Economics	Econ5024	2	0	1	0	3
3		Digital Image Analysis	SEng5191	2	1	0	0	3	Senior Project	SEng5224	0	6	0	0	6
4		Surveying Project planning and Management	SEng5201	1	2	0	0	3							0
5		Urban Land Use Planning	SEng5221	2	1	0	0	3							0
		Total		11	7	0	0	18	Total		6	6	3	0	15

2.School of Computing & Informatcis (COURSE DIRECTORY FOR SECOND YEAR AND ABOVE)

2.1 Computer Science UG Regular Program(R)

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/ Cr.Hr	Others	Total/C r.Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr .Hr	Others	Total/Cr. Hr.
1		Digital Logic Design	EENG2041	2	1	0	0	3	Data Communication and Computer Networking	CoSc2032	2	1	0	0	3
2		Fundamentals Of Program	CoSc2013	2	1	0	0	3	Advanced Database System	CoSc2032	2	1	0	0	3

3	2nd	Linear Algebra	Math2011	3	0	0	0	3	Object Oriented Programming	CoSc2052	2	1	0	0	3
4		Fundamentals of Databases	CoSc2041	2	1	0	0	3	Global Trends	GlTr2022	2	0	0	0	2
5		Economics	Econ2011	3	0	0	0	3	Discrete Mathematics and Combinatory	Math2052	3	0	0	0	3
6		Probability and Statistics	STAT2015	3	0	0	0	3	Data Structure and Algorithm	CoSc2092	2	1	0	0	3
7		Inclusiveness	Sine2011	2	0	0	0	2	Computer Organizations and Architecture	CoSc2022	3	0	0	0	3
1	3rd	Operating System	CoSc2042	2	1	0	0	3	Wireless Communications and Mobile Computing	CoSc3034	2	1	0	0	3
2		Web Programming	CoSc3081	3	1	0	0	4	Design and Analysis of Algorithms	CoSc3094	3	0	0	0	3
3		Java Programming	CoSc3053	2	1	0	0	3	Real Time and Embedded System	CoSc3026	2	1	0	0	3
4		Numerical Analysis	Math3081	2	1	0	0	3	Computer Graphics	CoSc3072	2	1	0	0	3
5		Automata and Complexity	CoSc3101	3	0	0	0	3	Software Engineering	CoSc3062	3	0	0	0	3
6		Microprocessor and Assembly Language Programming	CoSc3025	2	1	0	0	3	Introduction to Artificial Intelligence	CoSc3212	2	1	0	0	3
7		Industrial Practice	CoSc4121	0	0	0	1	1							
TOTAL				41	12	2	4	59	TOTAL		39	11	0	3	53

2.2 Information Systems UG Regular Program(R)

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr.Hr	Others	Total/Cr.Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr.Hr	Others	Total/Cr.Hr.
1		Global Trends and International Relations	Gltr2015	2	0	0	0	2	Inclusiveness	Incl2012	2	0	0	0	2
2		Economics	Econ2021	2	0	0	0	2	Object Oriented Programming	InSy2042	3	1	0	0	4

3	2nd	Introduction to Informatio	InSy2021	3	1	0	0	4	Fundamentals of Accounting	AcFn2022	3	0	0	0	3
4		Basic Computer Programming II	InSy2031	2	1	0	0	3	Fundamentals of Database Systems	InSy2072	2	1	0	0	3
5		System Analysis and Design	InSy2061	3	0	0	0	3	Computer Organization and Architecture	InSy2054	3	1	0	0	4
6		Discrete Mathematics and Combinatory	Math2031	3	0	0	0	3	Data Structure and Algorithms	InSy2044	2	1	0	0	3
7		Introduction to Management	MgMt2025	3	0	0	0	3						0	0
1		Data Communication and computer Networks	InSy3081	3	0	0	0	3	Introduction to Information Storage & Retrieval	InSy3072	2	1	0	0	3
2		Introduction to Statistics	Stat3021	3	0	0	0	3	Mobile Application Development	InSy3124	2	1	0	0	3
3	3rd	Operating Systems	InSy3051	3	1	0	0	4	Internet Programming	InSy 3092	2	2	0	0	4
4		Research Methods in Information Systems	InSy3061	3	0	0	0	3	Fundamentals of Artificial Intelligence	InSy3102	3	1	0	0	4
5		Event Driven Programming	InSy3043	2	1	0	0	3	Systems and Network Administration	InSy3082	2	1	0	0	3
6		Advanced Database Systems	InSy3071	2	1	0	0	3	Seminar in Information System	InSy3134	1	0	0	0	1
7		Human Computer Interaction	InSy3121	3	1	0	0	4						0	0
1		Elective I	InSy414k	3	1	0	0	4	Management of information s	InSy4112	3	0	0	0	3
2		Knowledge Management	InSy4103	3	0	0	0	3	Elective II	InSy414X	3	1	0	0	4
3	4th	Introduction to Machine Learning	InSy4101	2	1	0	0	3	Final Year Project II	InSy4132	0	0	0	3	3
4		Information System Security	InSy4081	3	1	0	0	4	Enterprise Systems	InSy4116	3	0	0	0	3
5		Information Systems Project Management	InSy4113	3	0	0	0	3	Organizational Behavior	MgMt4114	3	0	0	0	3
6		Final Year Project I	InSy4133	0	0	0	3	3	Multimedia Information Syst	InSy4122	3	1	0	0	4
7		Industrial practice	InSy4131	0	0	0	1	1							
TOTAL			51	9	0	4	64			42	12	0	3	57	

2.3 InformationTechnology UG Program

S . N	Year	Total Cr.Hr to be offered in 1st Sem.						Total Cr.Hr to be offered in 2nd Sem.					
		Course Title	Course Code	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/ Cr.Hr	Others	Total/Cr.Hr.	Course Title	Course Code	Lecture/ Cr.Hr	Laboratory/Cr.Hr	Tutorial/ Cr.Hr

8	2nd	Global Trends and International Relations	Gltr2015	2	0	0	0	2	Advanced Database Systems	ITec2072	2	1	0	0	3
9		Inclusiveness	Incl2011	2	0	0	0	2	Computer Organization and Architecture	ITec2024	2	0	1	0	3
10		Economics	Eco2013	3	0	0	0	3	Data Communication and Computer Networks	ITec2102	2	1	0	0	3
11		Fundamentals of Programming II	ITec2041	2	1	0	0	3	Data structure and Algorithms	ITec2052	2	1	0	0	3
12		Fundamentals of Database Systems	ITec2071	2	1	0	0	3	Discrete Mathematics	Math21 82	3	0	0	0	3
14		Introduction to Statistics	Stat2171	3	0	0	0	3	Internet Programming I	ITec2092	2	1	0	0	3
15		Fundamentals of Electricity and Electronics Device	Eeng2161	2	1	0	0	3					0	0	
16	3rd	System Analysis and Design	ITec3061	3	0	0	0	3	Introduction to Distributed Systems	ITec3102	2	1	0	0	3
17		Multimedia Systems	ITec3121	2	1	0	0	3	Information Technology Project Management	ITec3062	2	0	1	0	3
18		Object Oriented Programming in Java	ITec3051	2	1	0	0	3	Event-Driven Programming	ITec3054	2	1	0	0	3
20		Internet Programming II	ITec3093	2	1	0	0	3	Information Storage and Retrieval	ITec3082	2	1	0	0	3
21		Operating Systems	ITec3021	2	1	0	0	3	Advanced Programming	ITec3058	2	1	0	0	3
22		Computer Maintenance and Technical Support	ITec3031	2	2	0	0	4	Mobile Application Development	ITec3056	2	1	0	0	3
23	4th	Artificial Intelligence	ITec4121	2	1	0	0	3	Final year Project II	ITec4154	0	0	0	0	3
24		Industrial Practice	ITec4151	0	0	0	1	1	System and Network Administration	ITec4112	2	1	0	0	3
25		Information Assurance and Security	ITec4133	2	1	0	0	3	Social and Professional Ethics in IT	ITec4134	2	0	0	0	2
26		Final year Project I	ITec4153	0	0	0	3	3	Network Design	ITec4114	2	1	0	0	3
27		GIS and Remote Sensing	ITec4081	2	1	0	0	3	Elective	ITec414x	2	1	0	0	3
28		Basic Research Method in IT	ITec4155	2	0	0	0	2	Wireless Networking and Telecom Technologies	ITec4102	2	1	0	0	3
29		Network Device and Configuration	ITec4111	2	1	0	0	3							
40		Seminar on Current Trends in IT	ITec4131	1	0	0	0	1							
TOTAL				40	13	0	4	57			35	13	2	0	53

1st YEAR NATURAL SCIENCES (COMMON COURSES) UG PROGRAM

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr.Hr	Others	Total/Cr.Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr.Hr	Others	Total/Cr.Hr.
1	1st	Communicative English Skills I	FLEn1011	3	0	0	0	3	Communicative English Skills II	FLEn1012	3	0	0	0	3
2		General Physics	Phys 1011	2	1	0	0	3	Social Anthropology	Anth 1011	2	0	0	0	2
3		General Psychology	Psch 1011	3	0	0	0	3	General Biology	Phys 1012	2	1	0	0	3
4		Mathematics for Natural Science	Math 1011	3	0	0	0	3	History of Ethiopia & the Horn *	Hist 1012	3	0	0	0	3
5		Critical Thinking	LoCT 1011	3	0	0	0	3	Introduction to emerging Technologies	EmTe 1012	2	1	0	0	3
6		Physical fitness	SpSc 1011	1	1	0	0	2	Moral and Civic Education	MCiE 1012	2	0	0	0	2
7		Geography of Ethiopia & the Horn	GeES 1011	3	0	0	0	3	General Chemistry	Chem 1012	2	1	0	0	3

** With respect to Physical fitness course it is put as 2(1+1) Cr.Hr ,i.e 1Cr.Hr lecture and 1Cr.Hr practical with 2contact hr per week; total 3 contact hrs /week

3.COLLEGE OF NATURAL & COMPUTATIONAL SCIENCE (SECOND YEAR AND ABOVE COURSES)

3.1 BIOLOGY UG PROGRAM

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr.Hr	Others	Total/Cr.Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr.Hr	Others	Total/Cr.Hr.
1	2nd	Global Trends	GITr 2011	2	0	0	0	2	Bryophyte and Pteridophytes	Biol2032	1	1	0	0	2
2		Biological laboratory and field techniques	Biol 2021	1	1	0	0	2	Inclusiveness	Incl 2012	2	0	0	0	2
3		Cell Biology	Biol 2023	2	1	0	0	3	Soil Science	Biol 2022	1	1	0	0	2
4		Phycology	Biol 2031	1	1	0	0	2	Mycology	Biol 2062	1	1	0	0	2
5		General Microbiology	Biol 2061	2	1	0	0	3	Invertebrate Zoology	Biol 2042	3	1	0	0	4
6		Inorganic chemistry	Chem 2101	3	0	0	0	3	General Entomology	Biol 2044	2	1	0	0	3
7		Fundamentals of Biostatistics	Stat 2101	3	0	0	0	3	Fundamentals of Analytical Chemistry	Chem 2102	3	0	0	0	3
8									Practical Analytical Chemistry	Chem 2104	0	1	0	0	1
		Total Cr.Hr		14	4	0	0	18			13	6	0	0	19
1		Vertebrate Zoology	Biol 3041	3	1	0	0	4	Mammalian Anatomy & Physiology	Biol 3042	3	1	0	0	4
2		Seed plants	Biol 3031	2	1	0	0	3	Biochemistry	Biol 3052	2	1	0	0	3

3	3rd	Applied Entomology	Biol 3043	2	1	0	0	3	Introduction to Ethnobiology	Biol 3034	3	0	0	0	3
4		Principles of Parasitology	Biol 3061	2	1	0	0	3	Virology	Biol 3062	2	0	0	0	2
5		Principles of Genetics	Biol 3051	2	1	0	0	3	Plant Anatomy and Physiology	Biol 3032	3	1	0	0	4
6		Fundamentals of Organic Chemistry	Chem 3101	3	0	0	0	3	Principles of Ecology	Biol 3086	3	0	0	0	3
7		Practical Organic chemistry	Chem 3103	0	1	0	0	1							
		Total Cr.Hr		14	6	0	0	20			16	3	0	0	19
1		4th	Aquatic Science and Wetland Management	Biol 4071	2	1	0	0	3	Senior Project	Biol 4028	3	0	0	0
2	Wild life Ecology and Management		Biol 4081	2	0	0	0	2	Principles of Taxonomy	Biol 4022	2	0	0	0	2
3	Research Methods and Reporting in Science		Biol4023	2	0	0	0	2	Fundamentals of Biotechnology	Biol 4052	2	1	0	0	3
4	Internship		Biol 4021	1	0	0	0	1	Introduction to Immunology	Biol 4062	2	0	0	0	2
5	Applied Microbiology		Biol 4061	2	1	0	0	3	Fisheries and Aquaculture	Biol 4072	2	1	0	0	3
6	Molecular Biology		Biol 4051	2	0	0	0	2	Evolution	Biol 4056	2	0	0	0	2
7	Entrepreneurship		MGMT4011	3	0	0	0	3	Conservation and management of Natural Resources	Biol 4084	2	0	0	0	2
8									Elective I	Biol 409X	0	2	0	0	2
			14	2	0	0	16			15	4	0	0	19	

3.2 CHEMISTRY UG PROGRAM

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/ Cr.Hr	Others	Total/Cr .Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/ Cr. Hr	Others	Total/Cr. Hr.
1		Analytical Chemistry	Chem 2021	3	0	0	0	3	Inorganic Chemistry I	Chem 2032	3	0	0	0	3
2		Practical Analytical Chemistry	Chem 2023	0	1	0	0	1	Instrumental Analysis I	Chem 2022	3	0	0	0	3
3		Organic Chemistry I	Chem 2041	3	0	0	0	3	Practical Instrumental Analysis I	Chem 2024	0	1	0	0	1

4	2nd	Practical Organic Chemistry I	Chem 2043	0	1	0	0	1	Chemical Thermodynamics	Chem 2052	3	0	0	0	3
5		Mechanics and Heat for Chemists	Phys 2241	3	0	0	0	3	Global tends	GlaF 2022	2	0	0	0	2
6		Inclusiveness	Incl 2011	2	0	0	0	2	Electricity and Magnetism for Chemists	Phys 2242	3	0	0	0	3
7		Applied Mathematics I for Chemists	Math 2021	3	0	0	0	3	Applied Mathematics II for Chemists	Math 2022	3	0	0	0	3
8		Introductory Statistics	Stat 2011	3	0	0	0	3							
		Total Cr.Hr		17	2	0	0	19			17	1	0	0	18
1	3rd	Organic Chemistry II	Chem 3041	3	0	0	0	3	Environmental Chemistry and Toxicology	Chem 3128	3	0	0	0	3
2		Practical Organic Chemistry II	Chem 3043	0	1	0	0	1	Instrumental Analysis II	Chem 3022	3	0	0	0	3
3		Inorganic Chemistry II	Chem 3031	3	0	0	0	3	Practical Instrumental Analysis II	Chem 3024	0	1	0	0	1
4		Practical Inorganic Chemistry I	Chem 3033	0	1	0	0	1	Inorganic Chemistry III	Chem 3032	4	0	0	0	4
5		Kinetics and Electrochemistry	Chem 3051	3	0	0	0	3	Practical Inorganic Chemistry II	Chem 3034	0	2	0	0	2
6		Practical physical Chemistry I	Chem 3053	0	1	0	0	1	Industrial Chemistry II	Chem 3122	3	0	0	0	3
7		Industrial Chemistry I	Chem 3121	3	0	0	0	3	Industrial attachment	Chem 3124	0	0	0	1	1
8		Applied Mathematics III for Chemists	Math 3021	3	0	0	0	3	Research Method and Scientific Writing	Chem 3126	1	0	0	0	1
		Total Cr.Hr		15	3	0	0	18			14	3	0	1	18
1	4th	Physical Organic Chemistry	Chem 4041	3	0	0	0	3	Statistical Thermodynamics and Surface Chemistry	Chem 4052	3	0	0	0	3
2		Practical Organic Chemistry III	Chem 4043	0	2	0	0	2	Practical physical Chemistry II	Chem 4054	0	1	0	0	1
3		Quantum Chemistry	Chem 4051	4	0	0	0	4	Real Sample Analysis	Chem 4022	0	2	0	0	2
4		Chemistry of Consumer Products	Chem 4121	2	1	0	0	3	Introduction to Material Chemistry	Chem 4124	3	0	0	0	3
5		Elective I	Chem 4111	3	0	0	0	3	Biochemistry	Chem 4126	3	0	0	0	3
6		Entrepreneurship and Business Development	MGMT 4011	3	0	0	0	3	Student Senior Project	Chem 4122	0	0	0	3	3
7									Elective II	Chem 4112	3	0	0	0	3
		Total Cr.Hr		15	3	0	0	18			12	3	0	3	18

3.3 GEOLOGY UG PROGRAM

Total Cr.Hr to be offered in 1st Sem.

Total Cr.Hr to be offered in 2nd Sem.

S.N	Year	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr.Hr	Others	Total/Cr.Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr.Hr	Others	Total/Cr.Hr.
1	2nd	General Geology	Geol 2011	2	1	0	0	3	Stratigraphy & Earth History	Geol 2023	2	0	0	0	2
2		Geomorphology	Geol 2012	2	0	0	0	2	Mineralogy	Geol 2033	2	0	0	0	2
3		Paleontology	Geol 2021	2	0	0	0	2	Practical Mineralogy	Geol 2034	0	1	0	0	1
4		Practical Paleontology	Geol 2022	0	1	0	0	1	Structural Geology	Geol 2041	3	0	0	0	3
5		Crystallography & Mineral optics	Geol 2031	2	0	0	0	2	Practical Structural Geology	Geol 2042	0	1	0	0	1
6		Practical Crystallography & Mineral optics	Geol 2032	0	1	0	0	1	Tectonics	Geol 2043	2	0	0	0	2
7		Inclusiveness	Incl2011	2	0	0	0	2	Applied Mathematics II	Math2182	3	0	0	0	3
8		Applied Mathematics I	Math2181	3	0	0	0	3	Sedimentary Petrology	Geol 2051	2	0	0	0	2
9		Introduction to Computer Science	Comp 2011	2	1	0	0	3	Pract. Sedimentary Petrology	Geol 2052	0	1	0	0	1
		Total Cr.Hr		15	4	0	0	19			14	3	0	0	17
1	3rd	Mapping Techniques and Report writing	Geol3061	2	1	0	0	3	Geochemistry	Geol3081	3	1	0	0	4
2		Remote Sensing & GIS	Geol3062	2	1	0	0	3	Mapping Igneous Terrain	Geol3072	0	2	0	0	2
3		Principles of Hydrogeology	Geol3101	3	0	0	0	3	Exploration Geophysics	Geol3092	2	1	0	0	3
4		Physical Chemistry	Chem3171	3	0	0	0	3	Statistics for Geologists	Stat 3101	3	0	0	0	3
5		Igneous Petrology	Geol3053	2	0	0	0	2	Groundwater Exploration & Development	Geol3102	3	0	0	0	3
6		Pract. Igneous Petrology	Geol3054	0	1	0	0	1	Petroleum & Coal Geology	Geol3131	2	0	0	0	2
		Mapping Sedimentary Terrain	Geol3071	0	2	0	0	2	Metamorphic Petrology	Geol3055	2	0	0	0	2
7	Geophysics	Geol3091	2	0	0	0	2	Pract. Metamorphic Petrology	Geol 3056	0	1	0	0	1	
		Total Cr.Hr		14	5	0	0	19			15	5	0	0	20
1	4th	Global trends	GITr4001	2	0	0	0	2	Mineral Exploration & Mining	Geol4123	3	0	0	0	3
2		Economic Geology	Geol4121	3	0	0	0	3	Volcanology & Geothermal Resources	Geol4132	2	0	0	0	2
3		Environmental Geology	Geol4141	3	0	0	0	3	Entrepreneurship & Business Development	Entr4001	3	0	0	0	3
4		Pract. Economic Geology	Geol4122	0	1	0	0	1	Geology & Geologic Resources of Ethiopia	Geol4151	3	0	0	0	3

5	Fundamentals of Soil & Rock Mechanics	Geol4111	2	1	0	0	3	Senior project	Geol4162	0	2	0	0	2
6	Elective I	Geol4xxx	2	0	0	0	2	Engineering Geology	Geol4112	3	0	0	0	3
7	Mapping Metamorphic Terrain	Geol4073	0	2	0	0	2	Elective II	Geol4Xxx	2	0	0	0	2
8	Research method in Geoscience	Geol4161	2	0	0	0	2							
Total Cr.Hr			14	4	0	0	18			16	2	0	0	18

3.4 MATHEMATICS UG PROGRAM															
S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr.Hr	Others	Total/Cr.Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr.Hr	Others	Total/Cr.Hr.
1	2nd	Fundamental Concepts of Algebra	Math2011	3	0	0	0	3	Introduction to Combinatorics and Graph Theory	Math2032	3	0	0	0	3
2		Calculus I	Math2021	4	0	0	0	4	Calculus II	Math2022	4	0	0	0	4
3		Introduction to statistics	Stat2071	3	0	0	0	3	Inclusivness	SINE2012	2	0	0	0	2
4		Introduction to Computer Sciences	Comp 2041	2	1	0	0	3	Fundamental concepts of Geometry	Math2052	3	0	1	0	4
5		Linear Algebra I	Math2041	3	0	1	0	4	Fundamentals of Programming	Comp2042	2	1	0	0	3
6		Global Trends	IRGI2011	2	0	0	0	2	Probability Theory	Stat2072	3	0	0	0	3
1	3rd	Transformation Geometry	Math3051	3	0	0	0	3	Numerical Analysis I	Math3062	2	1	0	0	3
2		Number Theory	Math3091	3	0	0	0	3	Linear Optimization	Math3122	3	0	0	0	3
3		Calculus of Functions of Several Variables	Math3071	4	0	0	0	4	Introduction to Mathematical Software	Math3112	2	1	0	0	3
4		Mechanics and Heat	Phys3013	3	0	0	0	3	Financial Mathematics I	Math3142	3	0	0	0	3
5		Experimental Physics I	Phys3015	0	1	0	0	1	Modern Algebra I	Math3092	3	0	0	0	3
6		Linear Algebra II	Math3041	3	0	0	0	3	Ordinary Differential Equation	Math3082	4	0	0	0	4
1	4th	Introduction to Research Methods	Math4161	1	0	0	0	1	Introduction to Topology	Math4132	3	0	0	0	3
2		Calculus of Function of Complex Variables	Math4071	4	0	0	0	4	Mathematical Modeling	Math4112	3	0	0	0	3
3		Partial Differential Equations	Math4081	3	0	0	0	3	Undergraduate Mathematics research/Project	Math4162/3	2	0	0	0	2

4	Advanced calculus of one variable	Math4101	4	0	0	0	4	Elective II	Math----	3	0	0	0	3
5	Elective I	Math----	3	0	0	0	3	Fundamentals of Database system	Comp4062	3	1	0	0	4
6	Entrepreneurship and Business Development	MGMT401	3	0	0	0	3	Elective III	Math---	3	0	0	0	3

3.5 PHYSICS UG PROGRAM

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/ Cr.Hr	Others	Total/Cr .Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/ Cr. Hr	Others	Total/Cr. Hr.
1	2nd	Calculus I	Math2021	4	0	0	0	4	Calculus II	Math2022	4	0	0	0	4
2		Experiments in mechanics	Phys2101	0	1	0	0	1	Electromagnetism	Phys2002	4	0	0	0	4
3		Introduction to Statistics	Stat2071	3	0	0	0	3	Experiments in electromagnetism	Phys2102	0	2	0	0	2
4		Introduction to computer Science	Comp2041	2	1	0	0	3	Modern Physics	Phys2402	3	0	0	0	3
5		General Geology	Geol2031	2	0	0	0	2	Inclusiveness	Incl2012	2	0	0	0	2
6		Global Trends	GLAF2013	2	0	0	0	2	Fluid and Thermal Physics	Phys2004	3	0	0	0	3
7		Mechanics	Phys2001	4	0	0	0	4	Experiments in Fluid and Thermal Physics	Phys2104	0	1	0	0	1
			17	2	0	0	19			16	3	0	0	19	
1	3rd	Classical Mechanics	Phys3301	3	0	0	0	3	Electrodynamics I	Phys3704	3	0	0	0	3
2		Experiments in Oscillations and Waves	Phys3101	0	1	0	0	1	Electronics	Phys3502	3	0	0	0	3
3		Fundamentals of programming	Comp3041	3	0	0	0	3	Experiments in Electronics	Phys3102	0	1	0	0	1
4		Introduction to relativity	Phys3303	3	0	0	0	3	Mathematical methods of physics II	Phys3702	3	0	0	0	3
5		Linear algebra	Math3043	3	0	0	0	3	Nuclear physics	Phys3802	3	0	0	0	3
6		Mathematical Methods of physics I	Phys3701	3	0	0	0	3	Quantum mechanics I	Phys3402	3	0	0	0	3
7		Physics of oscillations and Waves	Phys3001	3	0	0	0	3	General Astronomy	Phys3302	3	0	0	0	3
			18	1	0	0	19			18	1	0	0	19	
1	4th	Computational physics	Phys4203	2	1	0	0	3	Advanced experimental physics	Phys4102	0	2	0	0	2
2		Introduction to Condensed matter physics	Phys4501	3	0	0	0	3	Elective	Phys4---	4	0	0	0	4

3	4th	Electrodynamics II	Phys4701	3	0	0	0	3	Introduction to Laser and Optics	Phys4402	3	0	0	0	3
4		Entrepreneurship and Business Development	MGMT4011	3	0	0	0	3	Introduction to Nano Physics	Phys4502	3	0	0	0	3
5		Quantum mechanics II	Phys4401	3	0	0	0	3	Senior research project/thesis	Phys4952	3	0	0	0	3
6		Statistical physics	Phys4201	3	0	0	0	3							
7		Research method	Phys4941	2	0	0	0	2							
				19	1	0	0	20			13	2	0	0	15

3.6 SPORT SCIENCE UG PROGRAM															
S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/ Cr.Hr	Others	Total/Cr .Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/ Cr. Hr	Others	Total/Cr. Hr.
1	2nd	History & Concepts of Physical Education Sports	SpSc- 2213	3	0	0	0	3	Introduction to Sport sociology	SpSc- 2234	3	0	0	0	3
2		Intr. to Sport Psychology	SpSc-2223	3	0	0	0	3	Apparatus Gymnastics	SpSc-2444	1	2	0	0	3
3		Human Anatomy	BioMed-2713	3	0	0	0	3	Volleyball	SpSc-2314	2	2	0	0	4
4		Athletics I	SpSc-2413	1	2	0	0	3	Athletics II	SpSc-2424	1	2	0	0	3
5		Basic Gymnastics	SpSc-2433	1	2	0	0	3	Introduction to statistics	Stat-2744	3	0	0	0	3
6		Inclusiveness	Incl 2011	2	0	0	0	2	Global trends	GITi1012	2	0	0	0	2
7									Human Physiology	BioMed-2724	3	0	0	0	3
		Total Cr.Hr		13	4	0	0	17			15	6	0	0	21
1	3rd	Biochemistry	Bio-Med-3735	3	0	0	0	3	Health& Fitness	SpSc-3516	2	1	0	0	3
2		Sport Journalism	SpSc-3255	3	0	0	0	3	Basket Ball	SpSc-3336	2	2	0	0	4
3		Exercise Physiology	SpSc-3545	2	1	0	0	3	Research Methods in Sport Science	SpSc-3286	3	0	0	0	3
4		Racket Sports	SpSc-3475	2	2	0	0	4	Sport Medicine	SpSc-3526	3	0	0	0	3
5		Measurement & Evaluation in Sports	SpSc-3245	2	1	0	0	3	Ethiopia Cultural Games & Sports	SpSc-3356	1	2	0	0	3
6		Football	SpSc-3325	2	2	0	0	4	Sport Nutrition	SpSc-3556	3	0	0	0	3
		Total Cr.Hr		14	6	0	0	20			14	5	0	0	19
1	1	Intro. to Structure of Coaching	SpSc-4617	3	0	0	0	3	Introduction to Adapted physical activity Sports	SpSc-4278	2	1	0	0	3
2		Fundamental of Massage & Therapeutic Exercise	SpSc-4567	1	2	0	0	3	Elective Course	SpSc-xxxx4628	2	2	0	0	4

3	4 th	Self Defense & Sport Ethics	SpSc-4457	1	1	0	0	2	Swimming & Recreational Activities	SpSc-4468	1	2	0	0	3
4		Kinesiology	SpSc4537	2	1	0	0	3	Introduction to Sport Management	SpSc-4268	3	0	0	0	3
5		Handball	SpSc-4347	2	2	0	0	4	Senior Essay	SpSc-4298	0	0	0	3	3
6		Entrepreneurships and business development	MGMt1012	3	0	0	0	3							
				12	6	0	0	18			8	5	0	3	16

3.7 STATISTICS UG PROGRAM															
S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr.Hr	Others	Total/Cr.Hr.	List of Courses	Course Codes	Lecture/Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr.Hr	Others	Total/Cr.Hr.
1	2 nd	Calculus I	Math2041	4	0	0	0	4	Fundamentals of Programming	Comp2012	2	1	0	0	3
2		Linear Algebra I	Math2051	3	0	0	0	3	Calculus for Statistics	Math2042	3	0	0	0	3
3		Introduction to Computer science and application	Comp2011	2	1	0	0	3	Linear Algebra II	Math2052	3	0	0	0	3
4		Basic Statistics	Stat2011	3	0	0	0	3	Statistical Methods	Stat2013	3	1	0	0	4
5		Inclusiveness	Incl2011	2	0	0	0	2	Microeconomics	Econ2032	3	0	0	0	3
6		Global trends	Gltr2011	2	0	0	0	2	Introduction to Probability Theory	Stat2012	3	0	0	0	3
				16	1	0	0	17			17	2	0	0	19
1	3 rd	Sampling Theory	Stat3031	4	0	0	0	4	Statistical Computing II	Stat3022	1	2	0	0	3
2		Regression analysis	Stat3041	2	1	0	0	3	Research Method and Sample Survey Practice	Stat3032	3	0	0	0	3
3		Fundamentals of Database Systems	Comp3021	2	1	0	0	3	Design and Analysis of Experiments	Stat3042	3	1	0	0	4
4		Statistical Computing I	Stat3021	1	2	0	0	3	Categorical Data Analysis	Stat3061	2	1	0	0	3
5		Numerical Methods for Statistics	Math3061	2	1	0	0	3	Time Series Analysis	Stat3043	3	1	0	0	4
6		Macroeconomics	Econ3033	3	0	0	0	3	Entrepreneurship	Mgmt3112	3	0	0	0	3
				14	5	0	0	19			15	5	0	0	20
1	4 th	Statistical Theory of Distributions	Stat4051	3	0	0	0	3	Statistical Inference	Stat4052	3	0	0	0	3
2		Demography	Stat4071	3	0	0	0	3	Biostatistics and Epidemiology	Stat4101	3	0	0	0	3
3		Econometrics	Stat 4061	2	1	0	0	3	Project II: Research Project in Statistics	Stat4092	0	0	0	2	2

4	4 th	Statistical Quality Control	Stat4081	2	1	0	0	3	Introduction to Multivariate Methods	Stat4062	2	1	0	0	3
5		Elective	Stat41xxa	3	0	0	0	3	Elective	Stat41xx ^b	0	0	0	3	3
6		Project I: Proposal writing	Stat4091	0	0	0	1	1	Social and Economic Statistics	Stat4072	3	0	0	0	3
7		Practical Attachments	Stat4093	0	0	0	2	2							
				13	2	0	3	18			11	1	0	5	17

4. COLLEGE OF MEDICINE AND HEALTH SCIENCES (SECOND YEAR AND ABOVE COURSES)

4.1 ENVIRONMENTAL HEALTH UG PROGRAM

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Clinical attachment/practice	TTP/CBTP	Total/Cr.Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Clinical attachment/practice	CBTP	Total/Cr.Hr.
1	2 nd	Analytical Chemistry	Chem2061	2	1	0	0	3	Biochemistry	BioC2073	2	0	0	0	2
2		Organic Chemistry	Chem1071	3	0	0	0	3	Communicable disease control	PuHe2082	2	0	0	0	2
3		Human Anatomy	Huan2071	2	0	0	0	2	Community Nutrition	PuHe2085	2	0	0	0	2
4		Human Physiology	Huan2072	2	0	0	0	2	Family Health	PuHe2087	1	0	0	0	1
5		Medical microbiology	Mbio2074	1	1	0	0	2	Biostatistics	PuHe2091	3	0	0	0	3
6		Medical parasitology	Mbio2075	2	0	0	0	2	Biostatistics	PuHe2093	3	0	0	0	3
		Introduction to Environmental Health	EnvH2141	1	0	0	0	1	Introduction to GIS and remote sensing	EnvH2096	1	1	0	0	2
		Global trend	GLTR3223	2	0	0	0	2	Surveying and mapping	EnvH2111	1	1	0	0	2
		Ecology	EnvH2141	2	0	0	0	2	Applied Engineering Drawing	EnvH2112	2	0	0	0	2
7		First Aid and Accident prevention	Nurs2076	1	0	0	0	1			0	0	0	0	0
	TOTAL		18	2	0	0	20	TOTAL		17	2	0	0	19	
1	3 rd	Medical Entomology and Vector control	EnvH3083	2	1	0	0	3	Research Method	EnvH3023	2	0	0	0	2
2		Health education and promotion	PuHe3084	2	0	0	0	2	Waste water management and engineering	EnvH3133	2	1	0	0	3
3		Food Safety management	EnvH3086	4	0	0	0	4	Air pollution management	EnvH3142	3	0	0	0	3
4		Residential and institutional health	EnvH3161	2	0	0	0	2	Climate change and Health	EnvH3143	1	0	0	0	1

5		Sanitation System and Technology	EnvH3113	2	0	0	0	2	Environmental Sampling and Quality analysis	EnvH3144	2	1	0	0	3
6		Sanitary Construction	EnvH3114	2	0	0	0	2	Solid Waste Management	EnvH3151	3	0	0	0	3
		Water Supply	EnvH3131	2	0	0	0	2	Hazardous Waste Management	EnvH3152	1	0	0	0	1
		Water quality management	EnvH3132	1	1	0	0	2	Health informatics	PuHe3101	2	0	0	0	2
		CBTP I	EnvH3121	0	0	0	3	3	CBTP III	EnvH3123	0	0	0	3	3
7		CBTP II	EnvH3122	0	0	0	3	3							
		TOTAL		17	2	0	6	25	TOTAL		16	2	0	3	21
1	4th	One Health	EnvH4088	1	0	0	0	1	Health Service Management	PuHe4103	3	0	0	0	3
2		Infection prevention and control	EnvH4089	2	0	0	0	2	Environmental and social impact assessment	EnvH4172	2	0	0	0	2
3		Environmental Toxicology	EnvH4094	2	0	0	0	2	Environmental health professional ethics	EnvH4173	1	0	0	0	1
4		Health emergency and Disaster Risk management	EnvH4095	2	0	0	0	2	Student Research project	EnvH4181	3	0	0	0	3
5		Health Economics	EnvH4102	2	0	0	0	2	Professional practice	EnvH4183	0	0	2	0	2
6		Occupational health and safety	EnvH4162	3	0	0	0	3	Professional Aperenticeship	EnvH4184	0	0	4	0	4
		Project development and managemnt	EnvH4182	2	0	0	0	2	TTP	EnvH4185	0	0	4	0	4
		Inclusicness	SNIE208	2	0	0	0	2	Comprhensive Examination	EnvH4186	P/F	0	0	0	P/F
		Entrepreneurship		3	0	0	0	3							
		TOTAL		19	0	0	0	19	TOTAL						

4.2 MEDICAL LABORATORY UG PROGRAM															
S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Laborato ry/Cr.Hr	Clinical attachme nt	CBTP	Total/Cr .Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Laborato ry/Cr.Hr	Clinic al attach ment	CBTP	Total/Cr. Hr.
1	2nd	Genetics	MeLS-M2183	2	0	0	0	2	Introduction to medical	MeLS-M2193	2	1	0	0	3
2		Molecular biology	MeLS-M2183	2	1	0	0	3	laboratory scinces	MeLS-M2193	0	0	0	0	0
3		Anatomy	Biom-M2172	3	0	0	0	3	Instrumentation	MeLS-M2193	1	1	0	0	2
4		Physiology	Biom-M2172	3	0	0	0	3	Frist aid	MeLS-M2193	1	0	0	0	1
		Biochemistry	Biom-M2172	3	0	0	0	3	professional ethics	MeLS-M2193	2	0	0	0	2
		Pharmacology	Biom-M2172	3	0	0	0	3	Medical Parasitology	MeLS-M2213	6	2	0	0	8
		Organic chemistry	Biom-M2172	2	1	0	0	3	Vector biology	MeLS-M2213	1	1	0	0	2

5		Analytical Chemistry	Biom-M2172	2	1	0	0	3	Clinical attachment 1	MeLS- M2223	0	0	2	0	2
6		Determinants of health	SPH-M2152	2	0	0	0	2	Measurement of Health and Disease	SPH-M2202	3	0	0	0	3
		TOTAL		22	3	0	0	25	TOTAL		16	5	2	0	23
1	3rd	Immunology	MeLS-M3233	3	0	0	0	3	Medical Bacteriology	MeLS-M3293	4	3	0	0	7
2		Serology	MeLS-M3233	1	2	0	0	3	Public Health Microbiology	MeLS-M3293	2	1	0	0	3
3		Hematology	MeLS-M3263	5	3	0	0	8	Medical Virology	MeLS-M3303	2	1	0	0	3
4		Immunoematolgy	MeLS-M3263	2	1	0	0	3	Medical mycology	MeLS-M3313	1	1	0	0	2
5		Inclusivness	SNIE-M3241	2	0	0	0	2	Health Service Management	SPH-M3322	2	0	0	0	2
6		Global trend	GITr-M3251	2	0	0	0	2	Community Based Training Program (CBTP)	ComH-M3332	0	0	0	3	3
		Health Promotion and Disease Prevention (SPH 3)	SPH-M3272	2	0	0	0	2	Community Based Training Program (CBTP)	ComH-M3332	0	0	0	3	3
		Histopathology	MeLS-M3283	1	1	0	0	2	Clinical Laboratory Attachment II	MeLS- M3343	0	0	3	0	3
		TOTAL		18	7	0	0	25	TOTAL		11	6	3	6	26
1	4th	Clinical Chemistry	MeLS-M4353	5	3	0	0	8	Health informatics	HInf-M4421	2	1	0	0	3
		Toxin Analysis	MeLS-M4353	1	1	0	0	2	Advanced Laboratory Attachment	MeLS-M4433	0	0	2	0	2
2		Urine and Body Fluid Analysis	MeLS-M4363	2	2	0	0	4	Clinical Laboratory Attachment III	MeLS-M4433	0	0	3	0	3
3		Quality Assurance in Medical Laboratory	MeLS-M4373	1	1	0	0	2	laboratory intership	MeLS-M4453	0	0	5	0	5
4		Health Laboratory Management	MeLS-M4383	1	1	0	0	2	student researech project	MeLS-M4463	2	0	0	0	2
5		Research Methodology	SPH-M4392	2	0	0	0	2	Team Training Program	ComH-M4472	0	0	0	4	4
6		Student Research Proposal	MeLS-M4403	1	0	0	0	1	Comprehensive Examination	MeLS-M4483	0	0	0	P/F	0
7	Enterpreneurship	ENps-M 4411	2	0	0	0	2								
		TOTAL		15	8	0	0	23	TOTAL		4	1	10	4	19

Note : for CBTP1=3week,CBTP2=3week, for TTP=8 week, for attachment1= 4week, attachment2= 5week , attachment3= 5week. For advanced attachment= 2week

4.3 Midwifery UG Program

S.N	Part	Total Cr.Hr to be offered in 1st Sem.	Total Cr.Hr to be offered in 2nd Sem.
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	Ye	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Clinical attachment	TTP/CBTP	Total/Cr.Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Clinical attachment	CBTP	Total/Cr.Hr.
1	2nd	Inclusiveness	*****	2	0	0	0	2	Foundation of Midwifery II	MidwM 3021	6	1	5	0	24
		Foundation of Midwifery I	MidwM2011	7	1	4	0	12	Preconception Care	MidwM 3041	1	1	3	0	10
		Entrepreneurship	MGMT 102	3	0	0	0	3	Antenatal Care	MidwM 3051	3	0	9	0	24
		Health Promotion and Disease Prevention	SPHM 3032	5	0	0	0	5							
2	3rd	Labor and Delivery	MidwM 3061	4	2	7	0	13	Newborn Care	MidwM 4091	3	1	4	0	16
		Postnatal Care	MidwM 4071	2	0.5	2.5	0	5	Under Five Child Health	MidwM 4101	3	1	4	0	16
		Family Planning	MidwM 4081	2	0.5	2.5	0	5	Gynecology	MidwM 4111	3	1	3	0	14
3	4th	Health Policy Management	SPHM 4072	4	0	0	0	4	Gynecology Internship	MidwM 5191	0	0	4	0	8
		Measurement of Health and Disease	SPHM 5132	3	0	0	0	3	Pediatrics and Neonatology Internship	MidwM 5201	0	0	4	0	8
		Research Method	SPHM 5142	2	0	0	0	2	Research Project	MidwM 5211	2	0	0	0	4
		Antenatal Care Internship	MidwM 5151	0	0	5	0	5	Team Training Program	MidwM 5221	0	0	0	5	10
		Labour and Delivery Internship	MidwM 5161	0	0	7	0	7	Community Based Training Program	SPHM 4122	0	0	0	3	6
		Postnatal Care Internship	MidwM 5171	0	0	2	0	2	Final Comprehensive Qualification Exam	MidwM 5231	P/F	0	0	0	0
		Family Planning Internship	MidwM 5181	0	0	3	0	3							

4.4 Nursing UG program

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Clinical attachment	TTP/CBTP	Total/Cr.Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Clinical attachment	TTP/CBTP	Total/Cr.Hr.
1	1st	Communicative English skills 1	FLEn1011	3	0	0	0	3	Communicative English skills 2	FLEn1012	3	0	0	0	3
2		General physics	Phys1011	2	1	0	0	3	General Biology	Phys1012	2	1	0	0	3
3		General psychology	Psch1011	3	0	0	0	3	General chemistry	Chem1012	2	1	0	0	3

4		Mathematics for natural science	Math1011	3	0	0	0	3	Moral and civics Education	MCiE1012	2	0	0	0	2
5		Critical thinking	LoCT1011	3	0	0	0	3	Biomedical science 1	BiomM-1022	5	1	0	0	6
6		Geography of Ethiopia and the horn	GeES1011	3	0	0	0	3	Foundation of nursing 1	NursM-1033	2	1	2	0	5
7		Physical fitness	SpSc1011	1	1	0	0	2							
8		History of Ethiopia and the horn	Hist 102	3	0	0	0	3							
1	2nd	Inclusiveness	SNIE-1012	2	0	0	0	2	Social anthropology	Anth-1012	2	0	0	0	2
2		Enterpreneurship	MGMT-1012	3	0	0	0	3	Health promotion & disease prevention	SPHM-2052	2	0	1	0	3
3		Determinant of health	SPHM-2022	1	0	1	0	2	Measurement of health & disease	SPHM-2062	3	0	1	0	4
4		Biomedical science 2	BiomM-2032	5	1	0	0	6	Medical surgical nursing 1	NursM-2073	3	1	7	0	11
5		Foundation of nursing 2	NursM-2043	4	1	3	0	8	CBTP	SPHM-2082	0	0	0	2	2
1	3rd	Medical-surgical nursing 2	NursM-3013	4	1	8	0	13	Introduction to emerging technology	EmTe-1012	3	0	0	0	3
2		Maternity & reproductive health nursing	NursM-3023	3	1	5	0	9	Economics	Econ-1011	3	0	0	0	3
3									Pediatrics & child health nursing	NursM-3033	3	1	4	0	8
4									Global Trends	GITr-1012	2	0	0	0	2
5									Mental health nursing	NursM-3053	2	1	2	0	5
1	4th	Nursing education & curriculum development	NursM-3042	1	1	0	0	2	Surgical nursing internship	NursM-4063	0	0	5	0	5
2		Nursing leadership & management	NursM-4022	2	1	1	0	4	Maternity nursing internship	NursM-4073	0	0	5	0	5
3		Nursing research methods	NursM-4032	3	0	0	0	3	Pediatrics nursing internship	NursM-4083	0	0	5	0	5
		Pre-internship Exam	NursM-4043	0	0	0	0	P/F	Student research project	NursM-4092	2	0	0	0	2
4		Medical nursing internship		0	0	5	0	5	Team Training Program (TTP)	SPHM-4102	0	0	0	4	4
5								Comprehensive qualification exam	NursM-4113	0	0	0	0	P/F	

4.5 PHARMACY UG PROGRAM

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Clinical attachment	TTP/CBTP	Total/Cr.Hr.	List of Courses	Course Codes	Lecturer /Cr.Hr	Laboratory/Cr.Hr	Clinical attachment	CBTP	Total/Cr.Hr.

1	2nd	Pathology	Path2054	3			0	3	Pharmacognosy	Phar2082	3	1			4
2		Human Physiology-II	Phyl2055	3			0	3	Pharmacology-I	Phar2101	3	1			4
3		Chemistry of Natural products	Phar2081	3			0	3	Medicinal chemistry-I	Phar2111	4				4
4		Biochemistry-I	Bioc2051	3			0	3	Integrated physical pharmacy and pharmaceutics-I	Phar2091	4				4
5		Biochemistry-II	Bioc2052	3			0	3	Practical Integrated physical pharmacy and pharmaceutics-I	Phar2092	0	1			1
6		Microbiology, Immunology & Parasitology	Mbio2053	2	1		0	3	Biostatistics	ComH2061	2				2
7		Introduction to pharmacy	Phar 2071	1			0	1	Epidemiology	ComH2062	2				2
7		Pharmaceutical calculations	Phar2072	1			0	1	Inclusiveness	Incl 1012	2				2
8	Economics	Econ 1012	2			0	2	CBTP I	Comh 201				3	3	
1	3rd	Integrated physical pharmacy and pharmaceutics-II	Phar3121	4			0	4	Biopharmaceutics and Clinical Pharmacokinetics	Phar3191	4				4
2		Practical Integrated physical pharmacy and pharmaceutics-II	Phar3122		1		0	1	Imunological and biological product	Phar3171	2				2
3		Pharmacology II	Phar3131	3	1		0	4	Clinical toxicology	Phar 3132	2				2
4		Medicinal chemistry-II	Phar3141	3			0	3	Health service management and policies	Comh3181	3				3
5		Integrated therapeutics-I	Phar3162	3		1	0	4	Integrated therapeutics-II	Phar3163	3	1			4
6		Pharmaceutical analysis-I	Phar3151	3	1		0	4	Entrepreneurship	MGMT 1012	3				3
7		Physical assessment	Phar3162	1	1		0	2	Pharmaceutical analysis-II	Phar3152	3	1			4
						0	22	CBTP II	Comh202				3	3	
1	4th	Industrial pharmacy	Phar4201	3	1		0	4	Global Trends	GITr 1012	2				2
2		Introduction to Pharmacoconomics	Phar4211	3			0	3	Medical supplies, equipment and reagents	Phar4213	2				2
3		Pharmaceutical Supply Chain management	Phar4212	3		1	0	4	Pharmaceutical Marketing and promotion	Phar4214	2				2
4		Integrated therapeutics-III	Phar4221	3		1	0	4	Integrated therapeutics-IV	Phar4222	3		1		4
5		Complementary and alternative medicine**	Phar4231	1		1	0	2	Pharmacy practice	Phar4244	0		4		4
6		Drug informatics	Phar4241	2			0	2	First aid	Nurs4245	2		0		2

7		Pharmacy law and ethics	Phar4242	2			0	2	Nutrition	Com-H4246	2		0		2
8							0	21	Professional elective course		3		0		3
9							0		Research Methods	Phar4261	2		0		2
10							0		CBTP-III	ComH203				3	3
1	5th	Ambulatory care clerkship	Phar5271			3 week	0	3	Gyne,obstetrics and family planning clerkship	Phar5282			2 week		2
2		Drug information service clerkship	Phar5272			2 week	0	2	Pharmaceutical Manufacturing clerkship	Phar5283			3 week		3
3		Internal medicine clerkship	Phar5273			4 week	0	4	Community pharmacy clerkship	Phar5284			3 week		3
4		Hospital pharmacy clerkship	Phar5274			4 week	0	4	Elective attachment				3 week		3
5		Pediatric clerkship	Phar5281			4 week	0	4	Directed study	Phar5301			3 week		3
							0	19	Team training program	ComH5311				4	4
						0									18

4.6 PSYCHIATRY UG PROGRAM

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Clinical attachment	TTP/CBTP	Total/Cr.Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Clinical attachment	CBTP	Total/Cr.Hr.
1	2nd	Health Informatics	HINFO1031	1	0	0	0	1	Maternal and Child Health	NURS 3023	4	0	3	0	7
2		Inclusiveness	SNIE 1011	1	0	0	0	1	Foundation of psychiatry I	PSPR 1053	3	1	2	0	6
3		SPH-1 determinants of health	SPH 2042	3	0	0	0	3	Foundation of psychiatry II	PSPR 1073	8	1	4	0	13
4		SPH-2 Health promotion and disease prevention	SPH 2022	3	0	0	0	3							
5		Medical surgical module	NURS 2013	9	1	6	0	16							
1	3rd	Major psychiatry I	PSPR 3053	7	0	3	0	10	SPH 3-Health policy and management	SPH 3012	3	0	0	0	3
2		Major psychiatry II	PSPR 3063	9	0	5	0	14	Community psychiatry	PSPR 4043	3	0	0	0	3

3									Substance related addictive disorder	PSPR 3073	4	0	1	0	5
4									Minor Psychiatry	PSPR 4013	3	0	2	0	5
5									Child & adolescent Psychiatry	PSPR 4023	3	0	2	0	5
6									Qualification exam	PSPR 3083	P/f	0	0	0	P/f
1		Psychiatry education & curriculum	PSPR 2052	1	0	0	0	1	Community psychiatry Practice	PSNU 3073	0	0	5	0	5
2		SPH- 4 Measurement of health and disease	SPH 3032	4	0	0	0	4	TTP	SPH 4033	0	0	0	5	5
3		SPH -5 Research methodology	SPH 3032	3	0	0	0	3	Psychiatry professional internship	PSPR 4023	0	0	13	0	13
4		Global Trend	IRGI 1021	3	0	0	0	3	Comprehensive Exit exam	PSPR 4053	p/f	0	0	5	p/f
5		Consultation Liaison psychiatry **	PSPR 4013	4	0	1	0	5							
6		Entrepreneurship and Business Development	MGMT 1021	3	0	0	0	3							
7		Student Research project	SPH 4043	3	0	0	0	3							

4.7 PUBLIC HEALTH UG PROGRAM

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Clinical attachment	TTP/CB TP	Total/Cr .Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Clinical attachment	CBTP/CHA	Total/Cr. Hr.
1	2nd	Introduction to Public Health	PubH2081	1	0	0	0	1	Health Service Management	PubH2072	3	0	0	0	3
2		Inclusiveness	SNIE1025	2	0	0	0	2	Human Pathology	Path2056	3	0	0	0	3
3		Embryology and Histology	Anat2051	2	0	0	0	3	Medical Parasitology	Para2057	2	0	0	0	2
4		Human Anatomy	Anat2052	4	2	0	0	4	Pharmacology	Phar2058	4	0	0	0	4
5		Human Physiology	Phys2053	5	0	0	0	5	Environmental Health and Ecology	PubH2082	3	0	0	0	3
6		Biochemistry	Bioc2054	3	0	0	0	6	Human Nutrition	PubH2062	2	0	0	0	2
7		Medical Microbiology	Mbio2055	2	1	0	0	7	Health Economics	PubH2073	2	0	0	0	2

8		Health Ethics and Legal Medicine	PubH2071	1	0	0	0	8	Disaster Prevention and Preparedness	PubH2083	1	0	0	0	1
9								9	Reproductive Health	PhNu2061	2	0	0	0	2
10								10	Population and Development	PubH2063	1	0	0	0	1
11								11	Global trends	IRGI1024	2	0	0	0	2
1	3rd	Biostatistics	PubH3101	3	1	0	0	1	Physical Diagnosis	PHYD3113	1	0	1	0	2
2		Epidemiology	PubH3102	3	0	0	0	2	Internal medicine I (7 weeks)	IMed3121	3	0	4	0	7
3		Health Informatics	PubH3103	0.5	0.5	0	0	3	Surgery I (7 weeks)	Surg3122	3	0	4	0	7
4		Research Methods	PubH3104	2	0	0	0	4	Pediatrics I (7 weeks)	Paed3123	3	0	4	0	7
5		Clinical Laboratory Methods	CLab3111	1	1	0	0	5	Gynecology and obstetrics I (7weeks)	ObGy3124	3	0	4	0	7
6		Introduction to Nursing Art	Nurs3112	1	1	0	0								
7		Health Education	PubH3084	2	0	0	0								
8		Community Based Training Program (CBTP)	PubH3091	0	0	0	3								
1	4th	Dentistry (1week)	Dent4131	1	0	0	0	1	Community Health Attachment (CHA)	PubH4092	0	0	0	10	10
2		Ear Nose and Throat (1week)	ENTH4132	1	0	0	0	2	Team Training Program (TTP)	PubH4093	0	0	0	4 (6 weeks)	4
3		Ophthalmology (2weeks)	Ophth4133	1	0	1	0	3	Entrepreneurship	MGMT4027	3	0	0	0	3
4		Diagnostic Radiology (2weeks)	DiRa4134	1	0	1	0	4	Student Research Project **	PubH4105	3	0	0	0	3
5		Dermatology (2weeks)	Derm4135	1	0	1	0	5	Comprehensive Qualifying Examination	ComE4151	P/F	0	0	0	0
6		Psychiatry(2weeks)	Psyc4136	1	0	1	0								
7		Internal Medicine-II (5 weeks)	IMed4141	0	0	4 (5 weeks)	0								
8		Surgery-II (5 weeks)	Surg4142	0	0	4 (5weeks)	0								
9		Pediatrics-II (5 weeks)	Paed4143	0	0	4 (5weeks)	0								
10		Obstetrics and gynecology-II (5 weeks)	ObGy4144	0	0	4 (5 weeks)	0								

5.COLLEGE OF AGRICULTURE & NATURAL RESOURCES (SECOND YEAR AND ABOVE COURSES)

5.1 Agribusiness and Value chain Management UG Program

	Total Cr.Hr to be offered in 1st Sem		Total Cr.Hr to be offered in 2nd Sem
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Yr	lists of courses	Course Codes	Lecture /Cr.Hr	Lab/pract/ Cr.Hr	Tutorial/ Cr.Hr	Others	Total/ Cr.Hr.	Lists of courses	Course Codes	Lecture /Cr.Hr	Lab/pract/ Cr.Hr	Tutorial/ Cr.Hr	Others	Total/ Cr.Hr.
2nd Year	Introduction to Agribusiness Management	ABVM211	3	0	0	0	3	Global tend	SNIE212	2	0	0	0	2
	Micro - Economics	AgEc221	3	0	0	0	3	Business Mathematics	ABVM222	3	0	0	0	3
	Principles of Accounting	Acct231	3	0	0	0	3	Value chain Analysis and Development	ABVM232	3	0	0	0	3
	Business Law and Ethics	LL241	2	0	0	0	2	Gender and Youth in Value chain	ABVM242	2	0	0	0	2
	Animal Production and Management	Asc251	2	1	0	0	3	Business Communication	Mgt252	3	0	0	0	3
	Plant Production and Management	Pls261	2	1	0	0	3	Macro - Economics	AgEc262	3	0	0	0	3
	Inclusiveness (common course)	SNIE271	2	0	0	0	2	Organization and Management of Cooperatives	Coop272	3	0	0	0	3
	Crop Production and Management	Plsc - 261	3	0	0	0	3	Macro - Economics	AgEc - 262	3	0	0	0	3
	Inclusiveness	SNE - 271	2	0	0	0	2					0	0	0
3rd Year	Finantial Managemet	Mgt311	3	0	0	0	3	Econometrics	AgEc312	3	0	0	0	3
	Cost and Management accounting	Acc321	3	0	0	0	3	Reseach Method in Agribusiness and Value chain	ABVM322	3	0	0	0	3
	International Agricultural Trade	AgEc331	3	0	0	0	3	Computer Application in Agribusiness	ABVM332	2	1	0	0	3
	Agricultural Marketing	ABVM341	3	0	0	0	3	Livestock Value chain Management	ABVM342	3	0	0	0	3
	Operational Research in Agribusiness	ABVM351	3	0	0	0	3	Farm management	AgEc352	3	0	0	0	3
	Crop Value chain management	ABVM361	3	0	0	0	3	Operational Management	Mgt362	2	0	0	0	2
	Statistics for Agribusiness	ABVM371	3	0	0	0	3	Senior Research Proposal	ABVM372	0	1	0	0	1
					0	0		Seminar in Agribusiness	ABVM382	0	1	0	0	1
4th Year	Entrepreneurship	AgEc411	3	0	0	0	3	E - commerce and Trade intelligence Management	Mgt412	3	0	0	0	3
	Change management	Mgt421	3	0	0	0	3	Climate change in Agribusiness	ABVM422	3	0	0	0	3

	Project Planning and Analysis	AgEc431	3	0	0	0	3	Human Resource Management	Mgt432	3	0	0	0	3
	Risk Management and Insurance in Agribusiness	ABVM441	3	0	0	0	3	Organizational Behavior in Agribusiness	ABVM442	2	0	0	0	2
	Logistics in Value chain	ABVM451	3	0	0	0	3	Nutrition Sensitive Agriculture	FSPT452	2	1	0	0	3
	Agricultural credit and finance	ABVM461	2	0	0	0	2	Agribusiness Policy and Strategy	ABVM462	3	0	0	0	3
	Practical Attachment	ABVM471	0	1	0	0	1	Senior Research Project	ABVM472	0	3	0	0	3
	Tea, coffee and Timber products value chain management	ABVM481	2	0	0	0	2					0	0	

5.2 Agricultural Economics UG Program															
s/n	Year	Total Cr.Hr to be offered in 1st Sem							Total Cr.Hr to be offered in 2nd Sem						
		Lists of Courses	Course Codes	Lecture / Cr.Hr	Lab/prac t/ Cr.Hr	Tutorial/ Cr.Hr	Others	Total/ Cr.Hr.	Lists of Courses	Course Codes	Lecture / Cr.Hr	Lab/prac t/ Cr.Hr	Tutorial/ Cr.Hr	Others	Total/ Cr.Hr.
1	2nd	Microeconomics-I	AgEc211	3		0	0	3	Microeconomics II	AgEc212	3		0	0	3
2		Introduction to Statistics	Stat 221	3		0	0	3	Macroeconomics-I	AgEc222	3		0	0	3
3		Principles of Accounting	Acct 231	3		0	0	3	Statistics for Economists	AgEc232	3		0	0	3
4		Crop Production & Management	PlSc241	2	1	0	0	3	Introduction to Agricultural Extension	RDAE242	2		0	0	2
5		Animal Production and Management	AnSc251	2	1	0	0	3	Natural Resource Management	NRM252	3	1	0	0	4
6		Sociology	Soci 261	2		0	0	2	Farm Power and Machinery	AgEn262	1	1	0	0	2
7		Inclusiveness	SNIE 212	2		0	0	2	Gender and Youth in Development	RDAE272	2		0	0	2
1	3rd	Mathematics for Economists	AgEc311	4		0	0	4	Econometrics	AgEc312	3	1	0	0	4
2		Macroeconomics II	AgEc321	3		0	0	3	Computer Applications in Agricultural Economics	AgEc322	2	1	0	0	3
3		Farm Management	AgEc331	3		0	0	3	Operations Research in Agricultural Economics	AgEc332	3		0	0	3
4		Research Methods in Agricultural Economics	AgEc341	3		0	0	3	Agricultural Credit and Finance	AgEc342	3		0	0	3

5		Ethiopian Economy	AgEc351	2		0	0	2	Farming Systems and Livelihood Analysis	AgEc352	3		0	0	3
6		Seminar in Agricultural Economics	AgEc361		1	0	0	1	History of Economic Thoughts	AgEc362	2		0	0	2
7		Global Trends	FSPT 412	2		0	0	2	Senior Research Proposal	AgEc372		1	0	0	1
1	4th	International Trade	AgEc411	3		0	0	3	Agricultural Project Planning and Analysis	AgEc412	3		0	0	3
2		Natural Resource and Environmental Economics	AgEc421	3		0	0	3	Agricultural Marketing	AgEc422	3		0	0	3
3		Agribusiness Organizations and Cooperative Management	ABVM431	4		0	0	4	Institutional and Behavioral Economics	AgEc432	3		0	0	3
4		Food and Agricultural Policy	AgEc441	3		0	0	3	Development Economics	AgEc442	3		0	0	3
5		Practical Attachment	AgEc451		2	0	0	2	Economics of Climate Change	AgEc452	2		0	0	2
6		Value Chain Analysis and Development	ABVM461	3		0	0	3	Senior Research Project	AgEc462		3	0	0	3
7		Entrepreneurship	Mgmt 411	2		0	0	2	Nutrition Sensitive Agriculture	FSPT412	3		0	0	3

5.3 ANIMAL SCIENCE

Year	Total Cr.Hr to be offered in 1st Sem								Total Cr.Hr to be offered in 2nd Sem						
	lists of courses	Course Codes	Lecture /Cr.Hr	Lab/prac t/ Cr.Hr	Tutorial/ Cr.Hr	Others	Total/ Cr.Hr.	lists of courses	Course Codes	Lecture /Cr.Hr	Lab/prac t/ Cr.Hr	Tutor ial/ Cr.Hr	Others	Total/ Cr.Hr.	
2nd Year	Anatomy and Physiology of Farm Animals	VetM211	2	1	0	0	3	Principle of Genetics	AnSc212	3	0	0	0	3	
	Biochemistry	Chem211	2	1	0	0	3	Principle of Animal Nutrition	AnSc222	3	0	0	0	3	
	General Microbiology	Biol211	1	1	0	0	2	Introduction to Statistics	Stat212	3	0	0	0	3	
	Introduction to Computer Application	CoSc211	2	1	0	0	3	Inclusiveness	SNIE212	2	0	0	0	2	
	Fishery and Aquaculture	AnSc211	2	1	0	0	3	Sheep and Goat Production and Management	AnSc232	2	1	0	0	3	
	Introduction to Soils	NaRM211	1	1	0	0	2	Forage and Pasture Production and Management	REBD212	2	1	0	0	3	

		Swine Production and Management	AnSc221	1	1	0	0	2	Camel Production and Management	AnSc242	2	0	0	0	2
	3rd Year	Animal Breeding	AnSc311	2	1	0	0	3	Beef Cattle Production and Management	AnSc312	2	1	0	0	3
		Reproductive Physiology and Artificial insemination	AnSc321	1	1	0	0	2	Equine Production and Draft animals Management	AnSc322	2	1	0	0	3
		Applied animal Nutrition	AnSc331	3	1	0	0	4	Biometry	AnSc332	3	0	0	0	3
		Poultry Production and Hatchery Management	AnSc341	3	1	0	0	4	Research Methods in Animal Sciences	AnSc342	2	0	0	0	2
		Dairy Cattle Production and Management	AnSc351	2	1	0	0	3	Animal Biotechnology	AnSc352	2	1	0	0	3
		Global Trends	IRGI1021	2	0	0	0	2	Range Ecology and Management	REBD322	2	1	0	0	3
		Practical in Animal Science I	AnSc361	0	1	0	0	1	Veterinary Parasitology	VetM322	1	1	0	0	2
						0	0	19	Practical in Animal science II	AnSc362	0	1	0	0	1
	4th Year	Practical Attachment	AnSc411	0	2	0	0	2	Food Hygiene and Veterinary Public Health	VetM442	1	1	0	0	2
		Apiculture	AnSc421	2	1	0	0	3	Livestock Products Processing Technology	AnSc412	2	1	0	0	3
		Sericulture	AnSc431	1	1	0	0	2	Agricultural Project Planning and Analysis €	AgEc412	2	0	0	0	2
		Animal Behaviour and Welfare	AnSc441	2	0	0	0	2	Livestock Economics and Marketing	AgEc432	2	0	0	0	2
		Entrepreneurship	Mgmt411	2	0	0	0	2	Nutrition Sensitive Agriculture	AgEc432	2	1	0	0	3
		Hide and Skin Processing	AnSc451	1	1	0	0	2	Farm Stead Structure (E)	AgEg412	1	1	0	0	2
		Animal Health and Disease Control	VetM431	2	1	0	0	3	Senior Research Project	AnSc422	0	2	0	0	2
		Rural Sociology and Agricultural Extension	RDAE411	2	0	0	0	2	Farm management	AgEc422	2	0	0	0	2
		Senior Seminar	AnSc461	0	1	0	0	1							

5.4 ENVIRONMENTAL SCIENCE UG Program

S/n	Year	Total Cr.Hr to be offered in 1st Sem							Total Cr.Hr to be offered in 2nd Sem						
		lists of courses	Course Codes	Lecture /Cr.Hr	Lab/prac t/ Cr.Hr	Tutorial/ Cr.Hr	Others	Total/ Cr.Hr.	lists of courses	Course Codes	Lecture /Cr.Hr	Lab/prac t/ Cr.Hr	Tutor ial/ Cr.Hr	Others	Total/ Cr.Hr.

1	2nd Year	Principles of Environmental Sciences	EnSc211	3	0	0	0	3	Fundamental Soil Sciences	EnSc212	2	1	0	0	3
2		General Ecology	EnSc221	2	0	0	0	2	Climatology and Meteorology	EnSc222	2	1	0	0	3
3		Environmental Economics	EnSc231	2	0	0	0	2	Environmental Chemistry	EnSc232	2	1	0	0	3
4		Inclusiveness	SNIE241	2	0	0	0	2	Energy and Environment	EnSc242	3		0	0	3
5		Environmental Physics	EnSc251	2	0	0	0	2	Environmental Hydrology	EnSc252	2		0	0	2
6		Introduction to Statistics	Stat261	3	0	0	0	3	Environmental Education and Communication	EnSc262	2		0	0	2
7		Computer Science and its Applications	Comp271	2	1	0	0	3	GIS and Remote Sensing	EnSc272	2	0	0	0	2
8		Introduction to Forestry	NaRM281	2	0	0	0	2					0	0	0
1	3rd Year	Environmental Geology	EnSc311	2	0	0	0	2	Land Evaluation and Land Use Planning	EnSc312	2	0	0	0	2
2		Principles of Environmental Informatics and Modeling	EnSc321	2	1	0	0	3	Integrated Watershed Management	EnSc322	2	1	0	0	3
3		Environmental Microbiology	EnSc331	2	1	0	0	3	Environment, Gender and Development	EnSc332	2	0	0	0	2
4		Environmental Sociology	EnSc341	2	0	0	0	2	Research Methods	EnSc342	3	0	0	0	3
5		Environmental Degradation and Rehabilitation	EnSc351	2	1	0	0	3	Water and Wastewater Treatment	EnSc352	2	1	0	0	3
6		Solid and Hazardous Waste Management	EnSc361	2	0	0	0	2	Environmental Toxicology	EnSc362	2	1	0	0	3
7		Climate Change Adaptation and Mitigation	EnSc371	2	0	0	0	2	Community Based Practical Education	EnSc372	0	1	0	0	1
8		Surveying and Mapping	EnSc381	1	0	0	0	1	Industrial and Urban Environmental Management	EnSc382	2	0	0	0	2
1	4th Year	Environmental Disaster and Risk Management	EnSc411	3	0	0	0	3	Environmental Landscaping and Design	EnSc412	1	1	0	0	2
2		Environmental and Social Impact Assessment	EnSc421	2	1	0	0	3	Environmental Policy and Laws	EnSc422	3	0	0	0	3
3		Environmental Biotechnology and Biosafety	EnSc431	2	1	0	0	3	Environmental Management Systems and Auditing	EnSc432	2	0	0	0	2
4		Limnology and Wetland Management	EnSc441	3	0	0	0	3	Senior Research Project	EnSc442	0	3	0	0	3

5	Biodiversity Conservation and Management	EnSc451	2	1	0	0	3	Project Planning, Analysis and Management	EnSc452	2	0	0	0	2
6	Global Trends	IRGI461	2	0	0	0	2	Entrepreneurship	MGMT462	3	0	0	0	3
7	Senior Seminar	EnSc471	0	1	0	0	1	Environmental Pollution Control and Management	EnSc472	2	0	0	0	2
8	Environmental Sampling and Analysis	EnSc481	0	1	0	0	1	Environmental Health	EnSc482	2	0	0	0	2

5.5 General forestry UG Program														
Year	Total Cr.Hr to be offered in 1st Sem							Total Cr.Hr to be offered in 2nd Sem						
	lists of courses	Course Codes	Lecture /Cr.Hr	Lab/prac t/ Cr.Hr	Tutorial/ Cr.Hr	Others	Total/ Cr.Hr.	lists of courses	Course Codes	Lecture /Cr.Hr	Lab/prac t/ Cr.Hr	Tutorial/ Cr.Hr	Others	Total/ Cr.Hr.
2nd Year	Global trends	GaDS 1011	2	0	0	0	2	Dendrology	GeFo2043	2	1	0	0	3
	Inclusiveness	SNIE 1011	2	0	0	0	2	Forest Ecology	GeFo2063	2	1	0	0	3
	Introduction to Statistics	Stat2031	2	1	0	0	3	Economics	GeFo3124	3	0	0	0	3
	Introduction to Information & Communication Technology	CoSc2021	2	1	0	0	3	Wood Structure & properties	GeFo4103	1	1	0	0	2
	Physiology of woody plants	GeFo2041	1	1	0	0	2	Remote sensing & GIS	GISc3051	2	1	0	0	3
	General Ecology	GeFo2062	1	1	0	0	2	Forest surveying & mapping	GISc2053	2	1	0	0	3
	Forest seed and nursery technology	GeFo3091	2	1	0	0	3	Biodiversity conservation	GeFo2064	1	1	0	0	2
3rd Year	Mensuration and Inventory	GeFo3052	2	1	0	0	3	Research method	GeFo3132	2	0	0	0	2
	Forest Ecosystem rehabilitation and restoration	GeFo3065	1	1	0	0	2	Land use planning & watershed management	SRWM3074	2	1	0	0	3
	Soil & water conservation	SWRM2073	1	1	0	0	2	Forest Economics	GeFo4121	3	0	0	0	3
	Silviculture of Natural Forest and Wood Land	GeFo3093	2	1	0	0	3	Forest Biometry	GeFo2032	3	0	0	0	3
	Fundamental and Forest Soil Science	SWRM2072	2	1	0	0	3	Internship/Practical education	GeFo3125	0	1	0	0	1
	Tree Genetics and Improvement	GeFo2042	1	1	0	0	2	Plantation establishment & management	GeFo3092	2	1	0	0	3

		Climatology & Forest Influence	GeFo3071	2	1	0	0	3	Forest road construction & maintenance	GeFo4101	1	1	0	0	2
	4th Year	Forest harvesting	GeFo4102	2	1	0	0	3	Agro-forestry Systems & Technolog	Agfo4113	1	1	0	0	2
		Wood processing	GeFo4105	1	1	0	0	2	Rural Sociology and Extension	GeFo4114	3	0	0	0	3
		Entrepreneurship	GeFo4107	3	0	0	0	3	Project Planning and Management	GeFo4123	3	0	0	0	3
		Bioenergy Technology	GeFo4104	1	1	0	0	2	Forest Management	GeFo4095	2	1	0	0	3
		Non timber Forest products	GeFo4106	1	1	0	0	2	Wild life management	WLFM2066	1	1	0	0	2
		Forest Policy & law	GeFo4094	2	0	0	0	2	Forest Business Management	GeFo4122	2	0	0	0	2
		Forest Protection	GeFo3083	2	1	0	0	3	Participatory Forest Management	GeFo4112	1	1	0	0	2
		Senior seminar	GeFo4131	0	1	0	0	1	Research project	GeFo4133	0	2	0	0	2

5.6 Horticulture UG Program

		Total Cr.Hr to be offered in 1st Sem							Total Cr.Hr to be offered in 2nd Sem						
Year	lists of courses	Course Codes	Lecture	Lab/prac	Tutorial/	Others	Total/	lists of courses	Course Codes	Lecture	Lab/prac	Tutor	Others	Total/	
			/Cr.Hr	t/ Cr.Hr	Cr.Hr		Cr.Hr.			/Cr.Hr	t/ Cr.Hr	ial/ Cr.Hr		Cr.Hr.	
	Agro-meteorology	HORT211	1	1	0	0	2	Soil Fertility and Plant Nutrition	HORT212	2	1	0	0	3	
	Global Trends	IRGI 1021	2		0	0	2	Plant Biochemistry	PISe212	2	1	0	0	3	
	Agricultural Microbiology	HORT 231	1	1	0	0	2	Principles and Practices of Plant Propagation	HORT232	1	1	0	0	2	
	Inclusiveness	SNIE282	2		0	0	2	Introduction to Statistics	HORT242	2	1	0	0	3	
	Plant Anatomy, Morphology and Taxonomy	HORT251	2	1	0	0	3	Plant Breeding	HORT252	2	1	0	0	3	
	Plant Physiology	HORT261	2	1	0	0	3	Principles and Practices of Irrigation	HORT262	1	1	0	0	2	
	Introduction to Soil Science	HORT271	1	1	0	0	2	Practical Horticulture	HORT272	0	1	0	0	1	
	Principles of Genetics	HORT281	2	1	0	0	3					0	0		
	Soil and Water Conservation	HORT311	1	1	0	0	2	Urban and Peri-urban Horticulture	HORT312	1	0	0	0	1	

	3rd Year	Agricultural Entomology	HORT321	2	1	0	0	3	Vegetable Crops Production and Management	HORT322	2	1	0	0	3
		Introduction to Plant Biotechnology	HORT331	1	1	0	0	2	Ornamental Plants Production and Management	HORT332	1	1	0	0	2
		Horticultural Seed Science and Technology	HORT341	1	1	0	0	2	Weeds and their Management	HORT342	1	1	0	0	2
		Principles, Design and Analysis of Agricultural Experiments	HORT351	2	1	0	0	3	Farm Machinery and Implements	HORT352	1	1	0	0	2
		Plant Pathology	HORT361	2	1	0	0	3	Tropical Fruit Crops Production and Management	HORT362	1	1	0	0	2
		Principles and Practices of Protected Horticulture	HORT371	1	1	0	0	2	Research Methods in Horticulture	HORT372	1	1	0	0	2
						0	0		Plant Ecology	PISc232	2	1	0	0	3
						0	0		Practical Attachment*	HORT382	0	2	0	0	2
	4th Year	Root and Tuber Crops Production and Management	HORT411	1	1	0	0	2	Postharvest Physiology and Handling of Horticultural Products	HORT412	2	1	0	0	3
		Coffee Production, Processing and Quality Control	HORT421	2	1	0	0	3	Entrepreneurship and Business Development	MGMT102	2	1	0	0	3
		Sub-tropical and Temperate Fruit Crops Production and Management	HORT431	1	1	0	0	2	Nutrition Sensitive Agriculture	HORT432	2	1	0	0	3
		Management of Horticultural Crops Diseases and Arthropod Pests of Economic Importance	HORT441	2	1	0	0	3	Rural Sociology and Agricultural Extension	HORT442	2	1	0	0	3
		Spices, Herbs and Medicinal Plants Production and Processing	HORT451	2	1	0	0	3	Marketing of Horticultural Crops	HORT452	1	1	0	0	2
		Tea Production and Processing	HORT461	1	1	0	0	2	Farm Management	HORT462	1	1	0	0	2
		Landscape Designing	HORT471	1	1	0	0	2	Senior Research Project	HORT472	0	2	0	0	2

	Senior seminar	HORT481	0	1	0	0	1	Food Safety, Quality and Processing of Horticultural Crops	HORT482	1	1	0	0	2
	Senior Research Project Proposal	HORT491	0	1	0	0	1					0	0	

5.7 Natural Resource Management(NaRM) (UG) Program														
Year	Total Cr.Hr to be offered in 1st Sem							Total Cr.Hr to be offered in 2nd Sem						
	lists of courses	Course Codes	Lecture /Cr.Hr	Lab/prac t/ Cr.Hr	Tutorial/ Cr.Hr	Others	Total/ Cr.Hr.	lists of courses	Course Codes	Lecture /Cr.Hr	Lab/prac t/ Cr.Hr	Tutorial/ Cr.Hr	Others	Total/ Cr.Hr.
2nd Year	Introductory Soils	NaRM211	2	1	0	0	3	Integrated Soil Fertility Management	NaRM212	2	1	0	0	3
	Introduction to Ecology	NaRM221	2	1	0	0	3	Biodiversity Conservation and Management	NaRM222	2	1	0	0	3
	General Microbiology	NaRM231	1	1	0	0	2	Nursery Establishment & Plantation Management	NaRM232	2	1	0	0	3
	Inclusiveness	SNIE241	2	0	0	0	2	Plant Taxonomy	NaRM242	2	1	0	0	3
	Principle of Environmental Sciences	NaRM251	3	0	0	0	3	Natural Resource and Environmental Economics	NaRM252	2	0	0	0	2
	Introduction to Statistics	Stat261	3	0	0	0	3	Environment, Gender & Development	NaRM262	2	0	0	0	2
	Computer Science and Its Application	Comp 271	2	1	0	0	3	Climatology and Agro-meteorology	NaRM272	2	1	0	0	3
3rd Year	Wildlife Ecology and Management	NaRM311	2	0	0	0	2	Energy and Environment	NaRM312	3	0	0	0	3
	Ecotourism Principles and Approaches	NaRM321	2	0	0	0	2	Non-timber Forest Products and Management	NaRM322	1	1	0	0	2
	Climate Change Adaptation and Mitigation	NaRM331	2	0	0	0	2	Limnology and Wetland Management	NaRM332	2	0	0	0	2
	GIS and Remote Sensing	NaRM341	2	1	0	0	3	Land Degradation and Rehabilitation	NaRM342	2	1	0	0	3
	Sustainable Forest Management	NaRM351	2	1	0	0	3	Surveying and Mapping	NaRM352	1	1	0	0	2
	Range Land Ecology and Management	NaRM361	2	0	0	0	2	Soil and Water Management	NaRM362	2	1	0	0	3
	Hydrology	NaRM371	2	1	0	0	3	Water Resources Planning, Development and Management	NaRM372	2	1	0	0	3

		Sustainable Agricultural Systems	NaRM381	2	0	0	0	2	Community Based Practical Education	NaRM382		1	0	0	1
	4th Year	Integrated Watershed Management	NaRM411	2	1	0	0	3	Land Evaluation and Land Use Planning	NaRM412	2	1	0	0	3
		Project Planning, Analysis and Management	NaRM421	2	0	0	0	2	Environmental and Social Impact Assessment	NaRM422	2	1	0	0	3
		Principles of Irrigation and Drainage	NaRM431	2	1	0	0	3	Rural Sociology and Natural Resources Management Extension	NaRM432	3	0	0	0	3
		Research Methods	NaRM441	3	0	0	0	3	Nutrition Sensitive Agriculture	NaRM442	2	1	0	0	3
		Natural Resources Policy and Law	NaRM451	2	0	0	0	2	Senior Research Project	NaRM452		2	0	0	2
		Global Trends	IRGI461	2	0	0	0	2	Entrepreneurship	MGMT462	3	0	0	0	3
		Agro-forestry Systems and Practices	NaRM471	2	1	0	0	3	Natural Resources and Conflict Management	NaRM472	2	0	0	0	2
		Senior Seminar	NaRM481	0	1	0	0	1				0	0	0	
5.8 Plant Science UG Program															
	Year	Total Cr.Hr to be offered in 1st Sem							Total Cr.Hr to be offered in 2nd Sem						
		Lists of courses	Course Codes	Lecture /Cr.Hr	Lab/prac t/ Cr.Hr	Tutorial/ Cr.Hr	Others	Total/ Cr.Hr.	Lists of courses	Course Codes	Lecture /Cr.Hr	Lab/prac t/ Cr.Hr	Tutorial/ Cr.Hr	Others	Total/ Cr.Hr.
	2nd Year	Plant Biochemistry	PlSc211	2	1	0	0	3	Principles of Genetics	PlSc212	2	1	0	0	3
		Plant Morphology and Anatomy	PlSc221	2	1	0	0	3	Plant Taxonomy	PlSc222	2	1	0	0	3
		Agricultural Microbiology	PlSc231	2	1	0	0	3	Plant Ecology	PlSc232	2	1	0	0	3
		Introduction to Computer and its application	CoSc241	1	1	0	0	2	Introduction to Statistics	Stat242	1	1	0	0	2
		Climatology and Agrometeorology	NaRM251	1	1	0	0	2	GIS and Remote Sensing (E)	NaRM252	2	1	0	0	3
		Introduction to Forestry and Agro-forestry	NaRM261	2	1	0	0	3	Introduction to Animal sciences (E)	AnSc262	1	1	0	0	2
		Introductory Soils	NaRM271	2	1	0	0	3	Farm Machinery and Implements	AgEn272	1	1	0	0	2
									Inclusiveness	SNIE282	2		0	0	2

	3rd Year	Plant Breeding	PISc311	2	1	0	0	3	Research Methods in Plant Sciences	PISc312	2	0	0	0	2
		Plant Physiology	PISc321	2	1	0	0	3	Fruit Crops Production and Processing	PISc322	2	1	0	0	3
		Agricultural Entomology	PISc331	2	1	0	0	3	Weeds and Their Management	PISc332	2	1	0	0	3
		Plant Pathology	PISc341	2	1	0	0	3	Seed Science and Technology	PISc342	1	1	0	0	2
		Principles, Design and Analysis of Agricultural Experiments	PISc351	2	1	0	0	3	Floriculture and Landscaping	PISc352	1	1	0	0	2
		Soil and Water Conservation	NaRM361	1	1	0	0	2	Introduction to Plant Biotechnology	PISc362	1	1	0	0	2
		Global Trends	IRGI371	2	0	0	0	2	Soil Fertility and Plant Nutrition	PISc372	2	1	0	0	3
						0	0		Rural Sociology and Agricultural Extension	RDAE382	2	0	0	0	2
						0	0		Practical Plant Sciences	PISc392	0	1	0	0	1
	4th Year	Coffee and Tea Production and Processing	PISc411	1	1	0	0	2	Post-harvest Handling and Value Addition of Grain Crops	PISc412	1	1	0	0	2
		Spices, Aromatic and Medicinal Plants Production and Processing	PISc421	1	1	0	0	2	Post-Harvest Physiology and Handling of Horticultural Crops	PISc422	1	1	0	0	2
		Vegetable Crops Production and Management	PISc431	2	1	0	0	3	Agro-chemicals and Their Application (E)	PISc432	1	1	0	0	2
		Industrial Crops Production and Processing	PISc441	1	1	0	0	2	Nutrition Sensitive Agriculture	PISc442	2	1	0	0	3
		Field Crops Production and Management	PISc451	2	1	0	0	3	Management of Crop Diseases and Insect Pests of Economic Importance	PISc452	2	1	0	0	3
		Principles and Practices of Irrigation	PISc461	1	1	0	0	2	Dryland Agriculture (E)	PISc462	1	1	0	0	2
		Entrepreneurship and Small Business Management	AgEc471	2	0	0	0	2	Farm Management	AgEc472	2	0	0	0	2
		Practical Attachment in Plant Sciences	PISc481	0	1	0	0	1	Agricultural Project Planning, Evaluation and Analysis	AgEc482	2	0	0	0	2

	Senior Research Proposal	PlSc491	0	1	0	0	1	Senior Research Report	PlSc492	0	2	0	0	2
	Senior Seminar	PlSc4101	0	1	0	0	1					0	0	

5.9 Veterinary Science (UG program)														
Year	Total Cr.Hr to be offered in 1st Sem							Total Cr.Hr to be offered in 2nd Sem						
	lists of courses	Course Codes	Lecture /Cr.Hr	Lab/pract/ Cr.Hr	Tutorial/ Cr.Hr	Others	Total/ Cr.Hr.	lists of courses	Course Codes	Lecture /Cr.Hr	Lab/pract/ Cr.Hr	Tutorial/ Cr.Hr	Others	Total/ Cr.Hr.
2nd Year	Inclusiveness	Incl1012	2	0	0	0	2	Introduction to Molecular Biology	Vtsc 2032	1	1	0	0	2
	Veterinary Biochemistry	Vtsc- 2031	2	1	0	0	3	Veterinary Parasitology	Vtsc2051	3	1	0	0	4
	Veterinary Gross Anatomy	Vtsc2041	3	1	0	0	4	Veterinary Microbiology	Vtsc2052	3	1	0	0	4
	Veterinary physiology	Vtsc2042	2	1	0	0	3	Veterinary Immunology	vtsc2053	1	1	0	0	2
	Veterinary Histology	Vtsc2043	2	1	0	0	3	Animal feeds and nutrition	AnSc-2063	1	1	0	0	2
	Veterinary Embryology	Vtsc2044	1	0	0	0	1	Dairy and beef cattle production	AnSc-2064	1	1	0	0	2
	Sheep, goat and swine production	AnSc-2062	2	1	0	0	3	Veterinary Pathology	Vtsc2071	3	1	0	0	4
	Animals Genetics and Breeding	AnSc-2061	1	1	0	0	2					0	0	
					0	0	21						0	0
3rd Year	Veterinary Pharmacology and therapeutics	Vtsc3081	2	1	0	0	3	Veterinary Toxicology	Vtsc3082	1	1	0	0	2
	Poultry Production and Health	Vtsc-3073	2	1	0	0	3	Large Animal Medicine	Vtsc3092	3	0	0	0	3
	Camel Production and Health	Vtsc-3096	2	0	0	0	2	Small animal medicine	Vtsc3093	2	0	0	0	2
	Veterinary General Medicine	Vtsc3091	3	0	0	0	3	Veterinary surgery and diagnostic imaging	Vtsc3121	2	1	0	0	3
	Veterinary clinical diagnosis	Vtsc3101	2	1	0	0	3	Veterinary clinical practice I	Vtsc3102	0	1	0	0	1
	Working Animal Management	AnSc3065	2	0	0	0	2	Animal health extension and pastoralism	Aheb3131	2	0	0	0	2
	Global Trends	GITr1012	2	0	0	0	2	Vet. Ethics and animal welfare	Vtsc3141	2	0	0	0	2

									Introduction to Computer Application	CoSc 1021	1	1	0	0	2
							18		Veterinary Gynecology and reproductive technology	Vtsc-3151	2	1	0	0	3
									Apiculture and bee disease	Vtsc-3094	1	1	0	0	2
							0						0	0	22
	4th Year	Fisheries and fish diseases	Vtsc3095	1	1	0	0	2	Seminar on Current Topics in Veterinary Science	1 (0+1)	0	1	0	0	1
		Biostatistics and Research Methodology	Vtsc4181	2	1	0	0	3	Senior Research Project	2 (0+2)	0	2	0	0	2
		Veterinary Clinical Pathology	Vtsc4072	2	1	0	0	3	Veterinary Clinical Experience	3 (0+3)	0	3	0	0	3
		Veterinary clinical practice II	Vtsc4103	0	1	0	0	1	Veterinary Laboratory Work Experience	3 (0+3)	0	3	0	0	3
		Epidemiology and Preventive Medicine	Vtsc-4112	3	0	0	0	3	Farm Experience	1 (0+1)	0	1	0	0	1
		Entrepreneurship	MGMT1012	3	0	0	0	3	Experience in Veterinary Public Health	1(0+3)	0	1	0	0	1
		Animal Health Economics	Vtsc3111	2	0	0	0	2							11
		Veterinary public health	Vtsc-4161	2	1	0	0	3							

SOCIAL SCIENCE STREAM

UNDERGRADUATE PROGRAMS' COURSE DIRECTORY

ALL FIRST YEAR SOCIAL SCIENCE COMMON COURSES

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture/Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr.Hr	Others	Total/Cr.Hr.	List of Courses	Course Codes	Lecture/Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr.Hr	Others	Total/Cr.Hr.
1	1st	Communicative English Skills I	FLEn1011	3	0	0	0	3	Communicative English Skills II	FLEn1012	3	0	0	0	3
2		Economics	Econ- 1011	3	0	0	0	3	Social Anthropology	Anth 1011	2	0	0	0	2
3		General Psychology	Psyc 1011	3	0	0	0	3	Entrepreneurship	MGMT 1012	3	0	0	0	3
4		Mathematics for Social Sciences	Maths 1011	3	0	0	0	3	History of Ethiopia & the Horn *	Hist 1012	3	0	0	0	3
5		Critical Thinking LoCT 1011	LoCT 1011	3	0	0	0	3	Introduction to emerging Technologies	EmTe 1012	2	1	0	0	3

6	Physical fitness *	SpSc 1011	1	1	0	0	2	Moral and Civic Education	MCIE 1012	2	0	0	0	2
7	Geography of Ethiopia & the Horn	GeES 1011	3	0	0	0	3	Global Trends	GITr 1012	2	0	0	0	2

** With respect to Physical fitness course it is put as 2(1+1) Cr.Hr ,i.e 1Cr.Hr lecture and 1Cr.Hr practical with 2contact hr per week; total 3 contact hrs /week

6. COLLEGE OF BUSINESS AND ECONOMICS(SECOND YEAR AND ABOVE COURSES)

6.1 Department of Accounting and Finance

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/practice Cr.Hr	Tutorial/ Cr.Hr	Others	Total/Cr .Hr	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr .Hr	Others	Total/Cr. Hr.
1	2nd	Fundamentals of Accounting I	AcFn2011	4	0	0	0	4	Fundamentals of Accounting II	AcFn2012	4	0	0	0	4
2		Introduction to Management	Mgmt1051	3	0	0	0	3	Business Statistics	AcFn2132	3	0	0	0	3
3		Business Mathematics	AcFn2131	3	0	0	0	3	Principles of Marketing	Mgmt1052	3	0	0	0	3
4		Macroeconomics	Econ1061	3	0	0	0	3	Risk Management & Insurance	AcFn2081	3	0	0	0	3
5		Basic Statistics	Stat2131	3	0	0	0	3	Contemporary Business Communication	Mgmt1052	2	0	0	0	2
6		Fundamentals of Information Systems	IS2121	1	1	0	0	2	Business Law	Law3201	3	0	0	0	3
7		Total			17	1	0	0	18	Total		18	0	0	0
1	3rd	Intermediate Financial Accounting I	AcFn3021	4	0	0	0	4	Intermediate Financial Accounting I	AcFn3022	4	0	0	0	4
2		Cost &Management Accounting I	AcFn3031	3	0	0	0	3	Cost &Management Accounting I	AcFn3032	3	0	0	0	3
3		Research Methods in Accounting & Finance	AcFn3112	3	0	0	0	3	Financial Management I	AcFn3042	3	0	0	0	3
4		Financial Management I	AcFn3041	3	0	0	0	3	Financial Modeling	AcFn3052	1	1	0	0	2
5		Accounting for Public sector and civil society	AcFn3071	4	0	0	0	4	Econometrics for finance	AcFn3131	2	2	0	0	4
6		Financial Institutions & Markets	AcFn3081	4	0	0	0	4	Operations Research	Mgmt-M3052	3	0	0	0	3
7		Total			21	0	0		21	Total		16	3	0	0
1	4th	Advanced Financial Accounting I	AcFn4101	3	0	0	0	3	Advanced Financial Accounting II	AcFn4102	4	0	0	0	4
2		Auditing Principles & Practices I	AcFn4061	3	0	0	0	3	Strategic Management	Mgmt 3142	3	0	0	0	3

3	Operations Management	Mgmt3191	3	0	0	0	3	Auditing Principles and Practices II	AcFn4062	3	0	0	0	3
4	Internship	AcFn-4113	0	2	0	0	2	Project Analysis & Evaluation	AcFn4052	3	0	0	0	3
5	Accounting Information Systems	AcFn4121	1	2	0	0	3	Senior Research Project II	AcFn4112	2	0	0	0	2
6	Public Finance & Taxation	AcFn4092	3	0	0	0	3	Accounting Software Applications	AcFn4122	1	2	0	0	3
8	Investment Analysis and Portfolio Management	AcFn4052	3	0	0	0	3						0	
9	Senior Research Project I	AcFn4111	1	0	0	0	1						0	
Total			17	4	0		21	Total		16	2	0	0	18

6.2.1 COOPERATIVES Accounting and Auditing

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/ PracticeCr.Hr	Tutorial/ Cr.Hr	Others	Total/Cr.Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr.Hr	Others	Total/Cr.Hr.
1	2nd	Cooperative Theory and Practice	Coop-2011	3	0	0	0	3	Cooperative Organization and Management	Coop-2022	3	0	0		3
2		Introduction to management	Cmgt-2021	3	0	0	0	3	Cooperative Legal System	Coop-2012	2	0	0		2
3		Basic Statistics	Stat-2021	3	0	0	0	3	Business Statistics	Cmgt-2052	3	0	0		3
4		Fundamentals of Accounting I	Cact-2041	2	0	1	0	3	Business Communication	Coop-2025	2	0	0		2
5		Intermediate Economics	Econ-2022	3	0	0	0	3	Fundamentals of Accounting II	Cact-2042	2	0	1		3
6		Business Mathematics	Cmgt-2051	3	0	0	0	3	Business Law	Blaw-2023	3	0	0		3
7									Introduction to computer application	CoSc-2191	2	1	0		3
		Total		17	0	1	0	18	Total		17	1	1		19
1	3rd	Ethiopian Cooperative Development and Extension	Coop3011	2	0	0	0	2	Gender and Development in Cooperatives	Coop3014	2	0	0		2
2		Participatory Approaches in coops	Coop3024	2	0	0	0	2	Agribusiness in Cooperatives	Coop3073	2	0	0		2
3		Management of Agricultural and Nonagricultural Cooperatives	Coop3023	3	0	0	0	3	Research Methods in Cooperatives	Coop3053	3	0	0		3

4		Introduction to Econometrics		3	0	0	0	3	Principles of Marketing	Cmgt3071	3	0	0		3
5		Introduction to Sociology		3	0	0	0	3	Materials Management	Cmgt-M10	3	0	0		3
6		Financial Management-I	Cact3111	2	0	1	0	3	Financial Management-II	Cact3112	2	0	1		3
7		Intermediate Financial Accounting-I	Cact3091	3	0	0	0	3	Intermediate Financial Accounting-II	Cact3092	3	0	0		3
		Total		18	0	1	0	19	Total		18	0	1		19
1	4th	Project Management	Coop4111	3	0	0	0	3	Applied Cooperative Auditing	Cact4142	2	0	1		3
2		Advanced Financial Accounting	Cact4093	3	0	1	0	4	Investment Analysis and Portfolio Management	Cact4113	1	0	1		2
3		Risk Management and Insurance	Cmgt4112	3	0	0	0	3	Financial Cooperatives Administration	Coop4061	3	0	0		3
4		Cooperative Auditing Principles and Practice	Cact4141	2	0	1	0	3	Cost and Management Accounting-II	Cact4082	2	0	1		3
5		Cost and Management Accounting-I	Cact4081	2	0	1	0	3	Accounting Information System	Cact4121	2	1	0		3
6		Senior Research Project Proposal	Coop4132	1	0	0	0	1	Accounting software application	Cact4122	1	1	0		2
7		Practical Attachment Program in Coops (PAP)	Coop4131	0	2	0	0	2	Senior Research Project	Coop4133	2	0	0		2
		Total		14	2	3	0	19	Total		13	2	3		18

6.2.2 COOPERATIVE BUSINESS MANAGEMENT

S.N	Year	Total Cr.Hr to be offered in 1st Sem.						Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/ Cr.Hr	Total/Cr .Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/ Cr. Hr	Total/Cr. Hr.	
1	2nd	Cooperative Theory and Practice	Coop-2011	3	0	0	3	Cooperative Organization and Management	Coop-2022	3	0	0		3
2		Introduction to management	Cmgt-2021	3	0	0	3	Cooperative Legal System	Coop-2012	2	0	0		2
3		Basic Statistics	Stat-2021	3	0	0	3	Business Statistics	Cmgt-2052	3	0	0		3
4		Fundamentals of Accounting I	Cact-2041	2	0	1	3	Business Communication	Coop-2025	2	0	0		2
5		Intermediate Economics	Econ-2022	3	0	0	3	Fundamentals of Accounting II	Cact-2042	2	0	1		3
6		Business Mathematics	Cmgt-2051	3	0	0	3	Business Law	Blaw-2023	3	0	0		3
7								Introduction to computer application	CoSc-2191	2	1	0		3

		Total		17	0	1		18	Total		17	1	1		19
1	3rd	Ethiopian Cooperative Development and Extension	Coop3011	2	0	0		2	Gender and Development in Cooperatives	Coop3014	2	0	0		2
2		Participatory Approaches in cooperatives	Coop3024	2	0	0		2	Agribusiness in Cooperatives	Coop3073	2	0	0		2
3		Management of Agricultural and Nonagricultural Cooperatives	Coop3023	3	0	0		3	Research Methods in Cooperatives	Coop3053	3	0	0		3
4		Introduction to Econometrics		3	0	0		3	Principles of Marketing	Cmgt3071	3	0	0		3
5		Introduction to Sociology		3	0	0		3	Materials Management	Cmgt-M10	3	0	0		3
6		Financial Management-I	Cact3111	2	0	1		3	Financial Management-II	Cact3112	2	0	1		3
7		Human Resource Management	Cmgt3091	3	0	0		3	Organizational Behaviors	Cmgt3092	3	0	0		3
		Total		18	0	1		19	Total		18	0	1		19
1	4th	Project Management	Coop4111	3	0	0		3	Operations Management	Cmgt4103	2	0	1		3
2		Strategic Management	Cmgt4102	3	0	0		3	Advanced Entrepreneurship and Business Dev't	Cmgt4113	3	0	0		3
3		Risk Management and Insurance	Cmgt4112	3	0	0		3	Financial Cooperatives Administration	Coop4061	3	0	0		3
4		Operations Research	Cmgt4054	3	0	0		3	Cost and Management Accounting-II	Cact4082	2	0	1		3
5		Cost and Management Accounting-I	Cact4081	2	0	1		3	Management Information System	Cmgt4121	1	1	0		2
6		Senior Research Project Proposal	Coop4132	1	0	0		1	International Marketing	Cmgt4072	3	0	0		3
7		Practical Attachment Program in Coops (PAP)	Coop4131	0	2	0		2	Senior Research Project	Coop4133	2	0	0		2
	Total	Total		15	2	1		18	Total		16	1	2		19

6.3 ECONOMICS

S.N	Year	Total Cr.Hr to be offered in 1st Sem.						Total Cr.Hr to be offered in 2nd Sem.					
		List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr.Hr	Total/Cr.Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr.Hr	Total/Cr.Hr.
1		Calculus for Economists	Econ 2011	2	0	1	3	Liner Algebra for Economists	Econ 2012	2	0	1	3

2		Micro economics I	Econ 2021	3	0	0		3	Micro economics II	Econ 2022	3	0	0		3
3		Macro economics I	Econ2031	3	0	0		3	Macro economics II	Econ2032	3	0	0		3
4		Introduction to statistics	Econ 2041	3	0	0		3	Statistics for Economists	Econ 2042	2	0	1		3
5	2nd	Fundamental of Acocounting I	Acct-2201	3	0	0		3	Fundamental of Acocounting II	Acct-2202	3	0	0		3
6		Basic computer skill of micro soft skill	CoSc- M2201	2	1	0		3	Basic Writing Skill	EnLa 2012	3	0	0		3
7		Total credit hr. offered in semester		16	1	1		18			16		2		18
1		Mathematical Economics	Econ 3051	2	0	1		3	Econometrics II	Econ 3062	2	1	0		3
2		Econometrics I	Econ 3061	2	1	0		3	Research method for Economists	Econ 3063	3	0	0		3
3		Development Economics I	Econ 3071	3	0	0		3	Development Economics II	Econ 3072	3	0	0		3
4	3rd	International Economics I	Econ 3081	3	0	0		3	International Economics II	Econ 3082	3	0	0		3
5		Labour Economics	Econ 3101	2	0	0		2	Economics of Industry	Econ 3102	2	0	0		2
6		Financial Economics	Econ-3091	3	0	0		3	Natural resource and Ev'tal Economics	Econ 3092	3	0	0		3
7		Introduction to Management	MGMT- 2061	2	0	0		2	Practical Attachment	Econ M3112	2	0	0		2
		Total credit hr. offered in semester		17	1	1		19			18	1	0		19
1		Agricultural Economics	Econ 4111	3	0	0		3	Rural development	Econ 4112	3	0	0		3
2		Monetary Economics	Econ 4121	3	0	0		3	Public Fi nance	Econ 4122	3	0	0		3
3		Project planning and Analysis I	Econ 4131	3	0	0		3	Project planning and Analysis II	Econ 4132	3	0	0		3
4		History of Economic thought I	Econ 4141	3	0	0		3	History of Economic thought II	Econ 4142	3	0	0		3
5	4th	Introduction to Institutional and Behavioral Economics	Econ 4161	3	0	0		3	Urban and regional Economics	Econ 4162	3	0	0		3
6		Statistical soft ware Application in Economics	Econ 4171	0	2	0		2	Thesis in Economics II	Econ 4152	2	0	0		2
7		Thesis in Economics I*	Econ 4151	1	0	0		1							
		Total credit hr. offered in semester		16	2	0		18	Total credit hr. offered in semester		17	0	0		17

6.4 MANAGEMENT

Total Cr.Hr to be offered in 1st Sem.

Total Cr.Hr to be offered in 2nd Sem.

S.N	Year	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/ Cr.Hr	Total/Cr.Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr.Hr	Total/Cr.Hr.
1	2nd	Computer Applications in Management	MGMT 2091	1	1	0	2	Mathematics for Management	MGMT 2131	3	0	1	4
2		Basic Writing Skills	EnLa 2011	3	0	0	3	Principle of Marketing	MGMT 2121	3	0	0	3
3		Microeconomics	Econ 2021	3	0	0	3	Fundamentals of Accounting I	AcFn 2011	3	0	0	3
4		Introduction to Management	MGMT 2062	3	0	0	3	Statistics for Management II	MGMT 2073	3	0	0	3
5		Organization Theory	MGMT 2063	3	0	0	3	Macroeconomics	Econ 2031	3	0	0	3
6		Administrative & Business Communication	MGMT 2061	3	0	0	3	Organizational Behavior	MGMT 2083	3	0	0	3
7		Statistics for Management I	MGMT 2072	3	0	0	3						
		Total credit hr. offered in semester		19	1	0	20	Total credit hr. offered in semester		18	0	1	19
1	3rd	Materials Management	MGMT 3151	3	0	0	3	Leadership & Change Management	MGMT 3082	3	0	0	3
2		Human Resource Management	MGMT 3081	3	0	0	3	Business Research Method	MGMT 3211	3	0	0	3
3		International Marketing	MGMT 3122	3	0	0	3	Cost Management & Accounting I	AcFn 3031	3	0	0	3
4		Fundamentals of Accounting II	AcFn 2012	3	0	0	3	System Analysis and Design	MGMT 3093	2	1	0	3
5		Management Information System	MGMT 3092	2	1	0	3	Business Law	MGMT 3101	3	0	0	3
6		Econometrics for Management	MGMT 3071	2	1	0	3	Managerial Economics	MGMT 3171	3	0	0	3
7		Total credit hr. offered in semester		16	2	0	18	Total credit hr. offered in semester		17	1	0	18
1	4th	Internship in Management	MGMT4221	0	2	0	2	Operations Management	MGMT415	4	0	0	4
2		Business Ethics & Corporate Social Responsibility	MGMT4231	3	0	0	3	Management of Financial Institutions	MGMT4182	3	0	0	3
3		Cost and Management Accounting II	ACFN 3032	3	0	0	3	Innovation Management and Entrepreneurship	MGMT4161	3	0	0	3
4		Operations Research	MGMT4132	4	0	0	4	Project Management	MGMT4191	3	0	0	3
5		Financial Management	MGMT 4181	3	0	0	3	Strategic Management	MGMT4201	3	0	0	3
6		Risk Management and Insurance	MGMT4192	3	0	0	3	Research in Management II	MGMT4213	2	0	0	2

7	Research in Management I	MGMT4212	1	0	0		1							
	Total		17	2	0		19	Total		18	0	0		18

6.5 Marketing Management

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/practice Cr.Hr	Tutorial/ Cr.Hr	Others	Total/Cr .Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr. Hr	Others	Total/Cr. Hr.
1	2nd	Introduction to Management	Mgmt 2092	3	0	0	0	3	Business Communication	Mktm2033	3	0	0		3
2		Principles of Marketing	Mktm2011	4	0	0	0	4	Sales Management	Mktm2052	4	0	0		4
3		Microeconomics	Econ 2132	3	0	0	0	3	Retails Management	Mktm2055	3	0	0		3
4		Consumer Behavior	Mktm2012	3	0	0	0	3	Organizational Behavior	Mgmt 2092	3	0	0		3
5		Business Law	BLAW2123	3	0	0	0	3	Risk Management & Insurance	Mgmt2024	3	0	0		3
6		Introduction to ICT	CoSc2162	2	1	0	0	3	Integrated Marketing Communication	Mktm 2031	3	0	0		3
7		Total		18	1	0	0	19	Total		19	0	0		19
1	3rd	Business Mathematics	Mgmt 3112	3	0	0	0	3	Project Management	Mgmt3102	3	0	0		3
2		Fundamentals of Accounting –I	AcFn 3142	3	0	0	0	3	Fundamentals of Accounting II	AcFn3142	3	0	0		3
3		Managerial Statistics	Stat 3113	3	0	0	0	3	Marketing Information system	Mktm3022	3	0	0		3
4		Services Marketing	Mktm3041	3	0	0	0	3	Event Management	Mktm3032	3	0	0		3
5		Social Marketing	Mktm3043	3	0	0	0	3	Tourism & Hospitality Marketing	Mktm3042	3	0	0		3
6		E-Marketing	Mktm3023	3	0	0	0	3	Marketing Research	Mktm3021	3	0	0		3
7		Total		18	0	0	0	18	Total		18	0	0		18
1	4th	Marketing Channel & Logistics Management	Mktm4051	3	0	0	0	3	Agricultural and Commodity Marketing	Mktm4062	3	0	0		3
2		Product & Brand Management	Mktm4031	3	0	0	0	3	Import /Export Policy & Procedure	Mktm4072	3	0	0		3
3		Financial Management	AcFn3041	3	0	0	0	3	Strategic Marketing Management	Mktm4073	4	0	0		4
4		Business Marketing	Mktm4061	3	0	0	0	3	Operations Management	Mgmt 4122	4	0	0		4
5		Apprenticeship in Marketing	Mktm4081	0	3	0	0	3	Negotiation Management	Mkmt4052	3	0	0		3
6		International Marketing	Mktm4071	3	0	0	0	3	Senior Essay in Marketing	Mkmt4082	3	0	0		3
8		Total		15	3	0	0	18	Total		20	0	0		20

7. COLLEGE OF SOCIAL SCIENCES & HUMANITIES (SECOND YEAR AND ABOVE COURSES)

		TOTAL	18	0	0	0	18	TOTAL	18	0	0	0	18
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7.2 CIVICS & ETHICAL STUDIES

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/ Cr.Hr	Others	Total/Cr.Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/ Cr.Hr	Others	Total/Cr.Hr.
1	2nd	Society, State & government	CESt-2011	3	0	0	0	3	Survey of Human Rights	CESt-2021	3	0	0	0	3
2		Citizenship: Theory & Practices	CESt-2012	3	0	0	0	3	Political Philosophy II	CESt-2022	3	0	0	0	3
3		Political Philosophy I	CESt-2013	3	0	0	0	3	Democracy and Election	CESt-2023	3	0	0	0	3
4		Social Change and Social Institutions	CESt-2014	3	0	0	0	3	Constitution and Constitutionalism	CESt-2024	4	0	0	0	4
5		Introduction to Philosophy	CESt-2015	3	0	0	0	3	Introduction to Peace & Conflict	CESt-2025	3	0	0	0	3
6		Applied Ethics	CESt-2016	3	0	0	0	3	Moral Philosophy	CESt-2026	3	0	0	0	3
7		Total		18	0	0	0	18	Total		19	0	0	0	19
8	3rd	Politics of the Horn and Middle East	CESt-3031	4	0	0	0	4	Issues on Gender and Corruption	CESt-3041	3	0	0	0	3
9		Survey of African Socio-Political Systems	CESt-3032	3	0	0	0	3	Migration and Human Security	CESt-3042	3	0	0	0	3
10		Development Theory & Practice	CESt-3033	4	0	0	0	4	Public Policy Formulation & Administration in Ethiopia	CESt-3043	3	0	0	0	3
11		Federalism: Theory and Practice	CESt-3034	3	0	0	0	3	Indigenous Conflict Resolution Mechanisms and Peace Building	CESt-3044	3	0	0	0	3
12		Diversity and Multiculturalism	CESt-3035	3	0	0	0	3	International Political Economy	CESt-3045	3	0	0	0	3
13		Research Methodology for Social Sciences I: Qualitative Research	CESt-3036	2	0	0	0	2	Research Methodology for Social Sciences II: Qualitative Research	CESt-3046	2	0	0	0	2
14		TOTAL		19	0	0	0	19			17	0	0	0	17
15	4th	Regional Cooperation & Integration	CESt-4051	3	0	0	0	3	Professional Ethics & Civic Virtue	CESt-4061	3	0	0	0	3
16		Ethiopian Foreign Policy & Diplomacy	CESt-4052	3	0	0	0	3	Public Law and Public Administration	CESt-4062	3	0	0	0	3
17		International Law and International Organizations	CESt-4053	4	0	0	0	4	Politics of Development Dynamism in Ethiopia	CESt-4063	4	0	0	0	4
18		Project Planning & Development	CESt-4054	3	0	0	0	3	Environmental Governance & Sustainable Development	CESt-4064	3	0	0	0	3

19	Senior Essay in Civics & Ethical Studies I	CESt-4055	3	0	0	0	3	Contemporary Global Issues	CESt-4065	3	0	0	0	3
20								Senior Essay in Civics & Ethical Studies II	CESt-4066	3	0	0	0	3

7.3 ENGLISH LANGUAGE & LITRATURE

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr.Hr	Others (senior essay)	Total/Cr.Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr.Hr	Others (senior essay)	Total/Cr.Hr.
1	2nd	Grammar in use	En La 201	3	0	0	0	3	Sophomore English	En La 202	3	0	0	0	3
2		Spoken English I	En La 203	2	1	0	0	3	Spoken English II	En La 204	2	1	0	0	3
3		Listening skills	En La 205	2	1	0	0	3	Reading skills II	En La 206	3	0	0	0	3
4		language and linguistics	En La 207	3	0	0	0	3	Phonetics and phonology	En La 210	3	0	0	0	3
5		Fundamentals of literature	En La 209	3	0	0	0	3	Theory of communication	En La 212	3	0	0	0	3
6		Reading skills I	En La 211	3	0	0	0	3	Selected world literature in English	En La 208	3	0	0	0	3
7				16	2	0	0	18			17	1	0	0	18
8	3rd	Advanced Writing I	En La 301	3	0	0	0	3	The Novel	En La 302	3	0	0	0	3
9		Morphology & syntax	En La 303	3	0	0	0	3	Advanced writing II	En La 304	3	0	0	0	3
10		Short Story	En La 305	3	0	0	0	3	Introduction to Poetry	En La 306	3	0	0	0	3
11		Advanced Speech	En La 307	2	1	0	0	3	Semantics and Pragmatics	En La 308	3	0	0	0	3
12		Principles and Practices in Journalism	En La 309	3	0	0	0	3	Ethiopian Literature in English	En La 310	3	0	0	0	3
13		Research and Report Writing	En La 311	4	0	0	0	4	Introduction Literary theory and criticism	En La 312	3	0	0	0	3
14				18	1	0	0	19			18	0	0	0	18
15	4th	African Literature in English	En La 401	3	0	0	0	3	Translation and interpretation	En La 402	3	0	0	0	3
16		poetry	En La 403	3	0	0	0	3	Creative writing	En La 404	3	0	0	0	3
17		English in Public relation	En La 405	3	0	0	0	3	Media English	En La 406	3	0	0	0	3
18		Socio Linguistics	En La 407	3	0	0	0	3	Discourse analysis	En La 408	3	0	0	0	3
19		Seminar on a Selected Topics	En La 411	3	0	0	0	3	Senior essay (Thesis)	En La 410	0	0	0	3	3
20		Editing	EnLa 413	3	0	0	0	3							
			18	0	0	0	18			12	0	0	3	15	

7.4 GEOGRAPHY AND ENVIRONMENTAL STUDIES

Year	Total Cr.Hr to be offered in 1st Sem.	Total Cr.Hr to be offered in 2nd Sem.
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S.N		List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/ Cr.Hr	Others	Total/ Cr.Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/ Cr.Hr	Others	Total/ Cr.Hr.
1	2nd	Introduction to Geographic Thought	GeES 2011	3	0	0	0	3	Quantitative Techniques & Spatial Analysis	GeES 2021	3	1	0	0	4
2		Introduction to Computer Applications in GeES3	GeES 2012	2	1	0	0	3	Cartography and Map Reading	GeES 2022	3	1	0	0	4
3		Introduction to Climate	GeES 2013	3	0	0	0	3	Applied Climatology	GeES 2023	3	0	0	0	3
4		Geomorphology	GeES 2014	3	0	0	0	3	Environmental Hydrology	GeES 2024	3	0	0	0	3
5		Economic Geography	GeES 2015	3	0	0	0	3	Agroecology and Farming System	GeES 2025	3	0	0	0	3
6							0	0	Cultural and Social Geography	GeES 2026	3	0	0	0	3
7		Total			14	1	0	0	15	Total		18	2	0	0
8	3rd	Development Geography	GeES 3011	3	0	0	0	3	Terrain Analysis and Land Use Planning	GeES 3021	2	1	0	0	3
9		Geography of Population and Settlement	GeES 3012	3	0	0	0	3	Applied GIS	GeES 3022	3	1	0	0	4
10		Introduction to Surveying	GeES 3013	2	1	0	0	3	Fundamentals of Remote Sensing	GeES 3023	2	1	0	0	3
11		Introduction to GIS	GeES 3014	2	1	0	0	3	Geography of Transport and Development	GeES 3024	2	1	0	0	3
12		Geography of Natural Resources Analysis & Management	GeES 3015	3	0	0	0	3	Urban Geography	GeES 3025	3	0	0	0	3
13		Soil Geography	GeES 3016	2	1	0	0	3	Research Methods in Geography and Environmental Studies	GeES 3026	3	0	0	0	3
14		Total			15	3	0	0	18			15	4	0	0
15	4th	Urban and Regional Planning	GeES 4011	3	0	0	0	3	Seminar on Contemporary Geographical Issues	GeES 4021	2	0	0	0	2
16		Geography of Tourism and Development	GeES 4012	3	0	0	0	3	Political Geography	GeES 4022	3	0	0	0	3
17		Land Administration and Registration	GeES 4013	2	1	0	0	3	Livelihood and Food Security	GeES 4023	3	0	0	0	3
18		Environmental Policy, Ethics and Governance	GeES 4014	3	0	0	0	3	Environmental Hazard and Risk Management	GeES 4024	3	0	0	0	3
19		Biogeography	GeES 4015	3	0	0	0	3	Environmental Impact Assessment	GeES 4025	3	0	0	0	3

20	Project Design and Management in GeES	GeES 4016	3	0	0	0	3	Senior Essay	GeES 4026	3	0	0	0	3
	Total		17	1	0	0	18	Total		17	0	0	0	17

7.5 GOVERNANCE & DEVELOPMENT STUDIES

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr.Hr	Others	Total/Cr.Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr.Hr	Others	Total/Cr.Hr.
1	2nd	Political Thought I	GaDS 2041	2	0	0	0	2	Political Thought II	GaDS 2045	3	0	0		3
2		Introduction to Research Methods	GaDS 2021	3	0	0	0	3	Organizational Leadership and Management	GaDS 2032	3	0	0		3
3		Introduction to Management	GaDS 2031	3	0	0	0	3	International Relations and Organizations	GaDS 2051	3	0	0		3
4		Development Theories and Practices	GaDS 2071	3	0	0	0	3	Development Economics	GaDS 2072	2	0	0		2
5		Introduction to Politics and Government	GaDS 2043	3	0	0	0	3	Comparative Government and Political Systems	GaDS 2044	3	0	0		3
6		Theories and Practice of Governance	GaDS 2042	3	0	0	0	3	Urban Governance and Municipal management	GaDS 2037	3	0	0		3
7		Introduction to Multiculturalism	GaDS 2046	2	0	0	0	2	Introduction to Public Administration	GaDS 2033	2	0	0		2
8		Total		19	0	0	0	19	Total		19	0	0		19
9	3rd	Gender and Development	GaDS 3073	3	0	0	0	3	Development Finance	GaDS 3077	3	0	0		3
10		Governance and Institutional Reform	GaDS 3035	3	0	0	0	3	Human Resource Management	GaDS 3036	2	0	0		2
11		African Politics and International Relations	GaDS 3053	3	0	0	0	3	Federalism and Local Government in Ethiopia	GaDS 3082	3	0	0		3
12		International Political Economy	GaDS 3052	3	0	0	0	3	Public Policy Making and Analyses	GaDS 3034	3	0	0		3
13		Population and Development	GaDS 3074	2	0	0	0	2	Public International Law	GaDS 3054	3	0	0		3
14		Constitutional Law and Constitutionalism	GaDS 3061	3	0	0	0	3	Development Planning and management	GaDS 3078	3	0	0		3
15		Land Governance in Ethiopia	GaDS 3083	2	0	0	0	2	Administrative Law	GaDS 3062	2	0	0		2
16		Total		19	0	0	0	19	Total		19	0	0		19
17		Human Rights and Humanitarian Assistance	GaDS 4092	3	0	0	0	3	Seminar on Development Policies and Practices in Ethiopia	GaDS 4101	3	0	0		3

18	4th	Conflict Management and Peace Building	GaDS 4091	3	0	0	0	3	Regional Growth and Local Development	GaDS 4104	2	0	0		2
19		Research methods in Social Sciences	GaDS 4022	3	0	0	0	3	Rural Development	GaDS 4103	3	0	0		3
20		Community Development	GaDS 4102	2	0	0	0	2	Environment and Natural Resource Management	GaDS 4075	3	0	0		3
21		Political Systems and Governance in Ethiopia	GaDS 4081	3	0	0	0	3	Foreign policy and Diplomacy: Ethiopian Focus	GaDS 4055	3	0	0		3
22		Project Planning and Management	GaDS 4076	3	0	0	0	3	Senior essay	GaDS 4105	3	0	0		3
		Total			17	0	0	0	17	Total		17	0	0	

7.6 HISTORY & HERITAGE MANAGMENT

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Field practice Cr.Hr	Tutorial/ Cr.Hr	Others	Total/C r.Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Field practice/ Cr.Hr	Tutorial/Cr .Hr	Others	Total/Cr. Hr.
1	2nd	Philosophy of History and Historiography	HiHm-2551	3	0	0	0	3	Ethiopia and the Horn,1270-1527	HiHm-2112	3	0	0	0	3
2		Ethiopia and the Horn to 1270	HiHm-2111	3	0	0	0	3	Africa,1500-1884	HiHm-2222	3	0	0	0	3
3		Africa to 1500	HiHm-2221	3	0	0	0	3	The Early Modern World to 1789	HiHm-2332	3	0	0	0	3
4		Ancient and Medieval World to 1500	HiHm-2331	4	0	0	0	4	Archaeology of Ethiopia and the Horn	HiHm-2442	3	0	0	0	3
5		Introduction to Archaeology	HiHm-2441	3	0	0	0	3	Historical Research Methods I	HiHm-2662	3	0	0	0	3
6									Introduction to Museology	HiHm-2772	3	0	0	0	3
7		Total			16	0	0	0	16	Total		18	0	0	0
8	3rd	Ethiopia and the Horn,1527-1896	HiHm-3111	4	0	0	0	4	Ethiopia and the Horn,1896-1941	HiHm-3112	3	0	0	0	3
9		History of Hydropolitics in the Nile Basin to 1959	HiHm-3881	3	0	0	0	3	Africa 1960 to the Present	HiHm-3222	3	0	0	0	3
10		Africa,1884-1960	HiHm-3221	3	0	0	0	3	The Modern World,1848-1945	HiHm-3332	3	0	0	0	3
11		World History,1789-1848	HiHm-3331	3	0	0	0	3	The Middle East Since 1918	HiHm-3002	3	0	0	0	3
12		Cultural Heritage Management	HiHm-3771	3	0	0	0	3	Introduction to Ethiopian Arts and Architecture	HiHm-3772	3	0	0	0	3
13		Survey of the Islamic World to 1918	HiHm-3001	3	0	0	0	3	Historical Research Method II	HiHm-3662	3	0	0	0	3
14		Total			19	0	0	0	19	Total		18	0	0	0

15	4th	Ethiopia and the Horn, 1941-1974	HiHm-4111	3	0	0	0	3	Ethiopia and the Horn, 1974-1995	HiHm-4112	3	0	0	0	3
16		History of Hydropolitics in the Nile Basin Since 1959	HiHm-4881	4	0	0	0	4	Global Developments Since 1945	HiHm-4332	3	0	0	0	3
17		History of Modern Latin America	HiHm-4001	4	0	0	0	4	Tourism Resource and Tourism Management in Ethiopia	HiHm-4772	3	0	0	0	3
18		The Modern Pasific World	HiHm-4331	4	0	0	0	4	Senior Essay	HiHm-4662	0	0	0	6	6
19		Heritage Conservation and Management in Ethiopia	HiHm-4771	3	0	0	0	3							
					18	0	0	0	18			9	0	0	6

7.7 JOURNALISM & COMMUNICATION

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/ Cr.Hr	Others	Total/C r.Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr .Hr	Others	Total/Cr. Hr.
1	2nd	Introduction to Journalism	JoCo2011	3	0	0	0	3	Media and information literacy	JoCo2014	3	0	0	0	3
2		Survey of Ethiopian Mass Media	JoCo2012	3	0	0	0	3	Media Translation	JoCo2032	3	0	0	0	3
3		Introduction to Communication	JoCo2021	3	0	0	0	3	Intercultural Communication	JoCo2022	3	0	0	0	3
4		Development Journalism	JoCo2013	3	0	0	0	3	Rural and Agricultural Communication	JoCo2024	3	0	0	0	3
5		English for Journalists	JoCo2031	3	0	0	0	3	News Writing and Reporting for Print	JoCo2061	3	0	0	0	3
6		Introduction to Public Relations	JoCo2041	3	0	0	0	3	Broadcast News Writing and Reporting	JoCo2081	3	0	0	0	3
7					18	0	0	0	18			18	0	0	0
8	3rd	Communication Theories	JoCo3023	3	0	0	0	3	Media and Communication Research Methods	JoCo3071	3	0	0	0	3
9		Public Relations : Theories and Practices	JoCo3042	3	0	0	0	3	Online Journalism and social media	JoCo3064	3	0	0	0	3
10		Advertising and Social Marketing	JoCo2043	3	0	0	0	3	Investigative Journalism	JoCo3065	3	0	0	0	3
11		Photo Journalism	JoCo3062	3	0	0	0	3	Media Law and Ethics	JoCo3051	3	0	0	0	3
12		Feature Writing	JoCo3066	3	0	0	0	3	Publication Layout and Design	JoCo3063	3	0	0	0	3

13		Advanced Reporting	JoCo3067	3	0	0	0	3	Broadcast news production	JoCo4082	3	0	0	0	3
14									Data Journalism	JoCo3072	3	0	0	0	3
15				18	0	0	0	18			21	0	0	0	21
16	4th	Newspaper Production	JoCo4067	4	0	0	0	4	Senior Essay II	JoCo4073	3	0	0	0	3
17		Broadcast Program Production	JoCo4083	3	0	0	0	3	Communication and Conflict Management	JoCo4026	3	0	0	0	3
18		Health Communication	JoCo4027	3	0	0	0	3	Magazine Production	JoCo4068	3	0	0	0	3
19		Media Management	JoCo4052	2	0	0	0	2	Broadcast Documentary Production	JoCo4084	4	0	0	0	4
20		Senior Essay I	JoCo4073	3	0	0	0	3	Business Communication	JoCo4028	3	0	0	0	3
21		Internship	JoCo4072	3	0	0	0	3	International communication	JoCo4025	3	0	0	0	3
				18	0	0	0	18			19	0	0	0	19

7.8 EDUCATIONAL PLANNING & MANAGEMENT

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Practical	Tutorial	Field attachment	Total/Cr.Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Practical	Tutorial	Field attachment	Total/Cr.Hr.
1	2nd	Information and communication technology	Inct 2021	3	0	0	0	3	Basic Writing Skills	EnLa 2031	3	0	0	0	3
2		Introduction to Educational Management	EdPM2021	3	0	0	0	3	Introduction to Educational Research	EdPM2032	3	0	0	0	3
3		Educational Organization & Management I	EdPM2022	3	0	0	0	3	Introduction to Statistical Methods in Education	Edpm2033	2	0	0	0	2
4		Educational Organization & Management II	EdPM2023	3	0	0	0	3	Action Research for Educational Managers	Edpm2034	2	0	0	0	2
5		Educational Psychology	Psyc2024	3	0	0	0	3	School and the Community	EdPM2041	2	0	0	0	2
6		Introduction to history and philosophy of education	EdPM2025	3	0	0	0	3	Multicultural Education and Diversity Management	EdPM2042	3	0	0	0	3
7									Internship I	EdPM2043	2	0	0	0	2
8				18	0	0	0	18			17	0	0	0	17
9		Introduction to educational leadership	Edpm3051	3	0	0	0	3	Economics of Education	EdPM3071	3	0	0	0	3
10		Management of Change and Innovation	Edpm3052	3	0	0	0	3	Macro Planning in Education	EdPM3072	3	0	0	0	3
11		Group Dynamics and Conflict Management in Education	Edpm3053	2	0	0	0	2	Education Management Information System	EdPM3073	3	0	0	0	3

12	3rd	Introduction to Guidance and Counseling	Psyc3054	2	0	0	0	2	School Mapping and Micro Planning in Education	EdPM3074	3	0	0	0	3
13		Education and Development	Edpm3061	3	0	0	0	3	Management of Educational project and Program Evaluation	EdPM3075	3	0	0	0	3
14		Management of Adult and Non-formal Education	Edpm3062	3	0	0	0	3	Internship II	EdPM3076	0	0	0	2	2
15		Management of Technical and Vocational Education and Training	Edpm3063	3	0	0	0	3							
16				19	0	0	0	19			15	0	0	2	17
17	4th	Education Policy Formulation, Implementation and Evaluation	EdPM4081	3	0		0	3	Human Resources Management in Education	EdPM4101	4	0		0	4
18		Decentralized Education Management	EdPM4082	3	0		0	3	School leadership Development	EdPM4102	3	0		0	3
19		Instructional Leadership	EdPM4083	3	0		0	3	Finance and Property Management in Education	EdPM4103	3	0		0	3
20		Curriculum development	TECS4084	3	0	0	0	3	Instructional Technology	TECS4104	2	0	0	0	2
21		Educational Supervision and inspection	Edpm4091	3	0		0	3	General Methods of Teaching	TECS4105	2	0		0	2
22		School Improvement and development	Edpm4092	3	0		0	3	Educational Measurement and Evaluation	PSy4106	2	0		0	3
23		Quality Management in Education	Edpm4093	3	0		0	3	Senior Essay B	EdPM4111	0			0	3
24		Senior Essay A	EdPM4111a	0	0		0	3						3	
25				21	0	0	0	24			16	0	0	3	20

7.9 PSYCHOLOGY

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr.Hr	Others	Total/Cr.Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Clinical Attachmnet y/Cr.Hr	Tutorial/Cr.Hr	Others	Total/Cr.Hr.
1		Physiological Psychology	Psyc2021	3	0	0	0	3	Psychological Testing	Psyc2035	3	0	0	0	3
2		Psychology of Childhood	Psyc2022	3	0	0	0	3	Experimental Psychology	Psyc2036	3	0	0	0	3

3	2nd	Educational Measurement and Evaluation	Psyc2034	3	0	0	0	3	Psychology of Adolescence	Psyc2023	3	0	0	0	3
4		Educational Psychology	Psyc2031	3	0	0	0	3	Statistical Methods in Psychology I	Psyc3041	3	0	0	0	3
5		Early Childhood care and Education	Psyc2025	3	0	0	0	3	Cognitive Psychology	Psyc2032	3	0	0	0	3
6									Introduction to Guidance and Counseling	Psyc3061	3	0	0	0	3
7				15	0	0	0	15			18	0	0	0	18
8	3rd	Psychology of Adulthood and Aging	Psyc3024	3	0	0	0	3	Forensic Psychology	Psyc3055	3	0	0	0	3
9		Research Methods in Psychology	Psyc3043	4	0	0	0	4	Gender and Human Sexuality	Psyc3054	3	0	0	0	3
10		Introduction to Social Psychology	Psyc3051	3	0	0	0	3	Crises and Trauma Counseling	Psyc3063	3	0	0	0	3
11		Industrial/Organizational Psychology	Psyc3052	3	0	0	0	3	Cross Cultural Psychology	Psyc3053	2	0	0	0	2
12		Theories and Techniques of Counseling	Psyc3062	3	0	0	0	3	Psychopathology	Psyc4071	4	0	0	0	4
13		Personality Psychology	Psyc4075	4	0	0	0	4	Psychology of Addiction	Psyc3065	3	0	0	0	3
14									Practicum in Psychology I	Psyc4083	0	2	0	0	2
15				20	0	0	0	20			18	2	0	0	20
16	4th	Health Psychology	Psyc4074	3	0	0	0	3	Marriage and Family Counseling	Psyc4064	3	0	0	0	3
17		Statistical Methods in Psychology II	Psyc3042	3	0	0	0	3	Seminar in Contemporary Issues	Psyc4082	2	0	0	0	2
18		Community Psychology	Psyc4056	3	0	0	0	3	Project Design and Management	Psyc4081	3	0	0	0	3
19		Psychopharmacology	Psyc4073	3	0	0	0	3	Practicum in Psychology II	Psyc4084	0	2	0	0	2
20		Clinical Psychology	Psyc4072	3	0	0	0	3	Career Development and Counseling	Psyc4066	3	0	0	0	3
21		Sport Psychology	Psyc4076	3	0	0	0	3	Senior Essay in Psychology	Psyc4085	0	0	0	3	3
22		Senior Essay in Psychology (Cont'ed)	Psyc4085	0	0	0	0	0							
				18	0	0	0	18			11	2	0	3	16

7.10 Social Work UG Program

Year	Total Cr.Hr to be offered in 1st Sem.	Total Cr.Hr to be offered in 2nd Sem.
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S.N		List of Courses	Course Codes	Lecture /Cr.Hr	Field practice Cr.Hr	Tutorial/ Cr.Hr	Others	Total/C r.Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Remark(Senior Paper)	Field practice/Cr. Hr	Tutori al/Cr. Hr	Total/Cr. Hr.
1	2nd	Introduction to Social Work	BSWC 2011	3	0	0	0	3	Theories of Human Behavior and the Social Environment	BSWC 2012	4	0	0	0	4
2		Methods of social Work Practice I	BSWC 2021	3	0	0	0	3	Health Social Work	BSWC 2022	3	0	0	0	3
3		Methods of social Work Practice II	BSWC 2031	3	0	0	0	3	Criminal Justice Social Work	BSWC 2032	3	0	0	0	3
4		Introduction to Population Studies	BSWC 2041	3	0	0	0	3	Qualitative Research Methods	BSWC 2042	3	0	0	0	3
5		Contemporary Social Issues and Social Work	BSWC 2051	3	0	0	0	3	Field Education I	BSWC 2052	0	0	4	0	4
6		Introduction to Sociology	SOCI 2011	3	0	0	0	3							
7		Total			18	0	0	0	18	Total		13	0	4	0
8	3rd	Quantitative Research Methods	BSWC 3011	4	0	0	0	4	Hospital Social Work	BSWC 3012	3	0	0	0	3
9		Gender, Diversity and Social work	BSWC 3021	4	0	0	0	4	Psychiatric Social Work	BSWC 3022	3	0	0	0	3
10		Social Welfare Services	BSWC 3031	3	0	0	0	3	Organizational Management and Leadership	BSWC 3032	3	0	0	0	3
11		Social Policy Practice	BSWC 3041	3	0	0	0	3	Project Design and Management	BSWC 3042	3	0	0	0	3
12		Migration, Refugee and Social Work Practice	BSWC 3051	3	0	0	0	3	Law for Social Workers	BSWC 3052	3	0	0	0	3
13		Statistics for Social Workers	BSWC 3061	3	0	0	0	3	Field education II	BSWC 3062	0	0	4	0	4
14		Total			20	0	0	0	20	Total		15	0	4	0
15	4th	Case Management	BSWC 4011	3	0	0	0	3	Rehabilitation Services and Disability	BSWC4012	3	0	0	0	3
16		Counselling in Social Work	BSWC 4021	3	0	0	0	3	Gerontology	BSWC4022	3	0	0	0	3
17		Correctional Rehabilitation and Administration	BSWC 4031	3	0	0	0	3	Field Education III	BSWC3032	0	0	4	0	4
18		Working with Children and Families	BSWC 4041	3	0	0	0	3	Senior Paper	BSWC4042	0	6	0	0	6
19		School Social Work	BSWC 4051	3	0	0	0	3							
20		Social Development and Community Practice	BSWC 4061	4	0	0	0	4							
	Total			19	0	0	0	19	Total		6	6	4	0	16

7.11 Sociology

	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/ Cr.Hr	Others	Total/Cr.Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Laboratory/Cr.Hr	Tutorial/Cr.Hr	Others	Total/Cr.Hr.
1	2nd	Introduction to Sociology	SOCI2011	3	0	0	0	3	Sociological TheoriesI: Classical Perspective	SOCI2051	4	0	0	0	4
2		Sociology of Peace and Conflict	SOCI2031	3	0	0	0	3	Media, Communication and culture	SOCI2061	3	0	0	0	3
3		Social InstitutionsI: Sociology of Family, Education and Religion	SOCI2031	4	0	0	0	4	Sociology of Social Change	SOCI2071	3	0	0	0	3
4		Social InstitutionII;Political Sociology and Sociology of Law	SOCI2032	3	0	0	0	3	Sociology of Population	SOCI2081	3	0	0	0	3
5		Sociology of Ethiopian Societies	SOCI2041	3	0	0	0	3	Sociology of Modernization and Development	SOCI2091	4	0	0	0	4
6		Total			16	0	0	0	16	Total		17	0	0	0
7	3rd	Sociological Theories II: Contemporary Perspective	SOCI2052	4	0	0	0	4	Medical Sociology	SOCI3041	3	0	0	0	3
8		Sociology of Tourism	SOCI2062	3	0	0	0	3	Sociology of work, Industry and Organization	SOCI3032	4	0	0	0	4
9		Stastics for Sociologists I: Introduction/Basic Stastics/	SOCI3011	3	0	0	0	3	Stastics For Sociologist II: Stastical Application in Sociology	SOCI3012	2	0	0	0	2
10		Social Research MethodsI: Qualitative Research Methods	SOCI3021	3	0	0	0	3	Social Research MethodsII: Quantitative Research Metghods	SOCI3022	3	0	0	0	3
11		Population Movement, Migration, Resetlement	SOCI2082	3	0	0	0	3	Rural Sociology and Rural Development	SOCI3051	4	0	0	0	4
12		Economic Sociology	SOCI3031	3	0	0	0	3	Urban Sociology	SOCI3052	3	0	0	0	3
13		Total			19	0	0	0	19			19	0	0	0
14	4th	Sociology of Diviance	SOCI4011	3	0	0	0	3	Criminology and Correctional Administration	SOCI4012	4	0	0	0	4
15		Social policy and planning	SOCI4021	3	0	0	0	3	Project Design and Management	SOCI4022	3	0	0	0	3
16		Globalization, Social Movement and Civil Society	SOCI4041	4	0	0	0	4	Social Identities: Class, Ethnicity and Nationalism	SOCI4032	4	0	0	0	4

17	Environmenta Sociology	SOCI4051	4	0	0	0	4	Social problems and Methods of intervention II: Application of Sociological knowledge	SOCI4052	2	0	0	0	2
18	Social Problem and Methodds of Intervention I	SOCI5051	3	0	0	0	3	Sociology of Gender	SOCI4032	3	0	0	0	3
19	Senior Essay: Research Proposal Writing	SOCI4061	0	0	0	2	2	Senior Essay: Field workand write-up	SOCI4062	0	0	0	3	3
	Total		17	0	0	2	19			16	0	0	3	19

8. SCHOOL OF LAW

1st YEAR LAW COMMON COURSES

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lectur e/Cr.H r	Laborat ory/Cr. Hr	Tutorial /Cr.Hr	Others	Total/C r.Hr.	List of Courses	Course Codes	Lectur e/Cr.H r	Laborat ory/Cr. Hr	Tutor ial/Cr. Hr	Other s	Total/C r.Hr.
1	1st	Communicative English Skills I	FLEn1011	3	0	0	0	3	Communicative English Skills II	FLEn1012	3	0	0	0	3
2		Economics	Econ- 1011	3	0	0	0	3	Social Anthropology	Anth 1011	2	0	0	0	2
3		General Psychology	Psyc 1011	3	0	0	0	3	Enterpreneurship	MGMT 1012	3	0	0	0	3
4		Mathematics for Social Sciences	Maths 1011	3	0	0	0	3	History of Ethiopia & the Horn *	Hist 1012	3	0	0	0	3
5		Critical Thinking LoCT 1011	LoCT 1011	3	0	0	0	3	Introduction to emerging Technologies	EmTe 1012	2	1	0	0	3
6		Physical fitness *	SpSc 1011	1	1	0	0	2	Basic Law Course		3	0	0	0	3
7		Geography of Ethiopia & the Horn	GeES 1011	3	0	0	0	3	Global Trends	GITr 1012	2	0	0	0	2

** With respect to Physical fitness course it is put as 2(1+1) Cr.Hr ,i.e 1Cr.Hr lecture and 1Cr.Hr practical with 2contact hr per week; total 3 contact hrs /week

*** Moral and Civic Education will be given after 1st Year

8.1 LAW SECONMD YEAR AND ABOVE COURSES

S.N	Year	Total Cr.Hr to be offered in 1st Sem.							Total Cr.Hr to be offered in 2nd Sem.						
		List of Courses	Course Codes	Lecture /Cr.Hr	Laborato ry/Cr.Hr	Tutorial/ Cr.Hr	Others	Total/C r.Hr.	List of Courses	Course Codes	Lecture /Cr.Hr	Laborato ry/Cr.Hr	Tutor ial/Cr. Hr	Others	Total/Cr. Hr.
1	2nd	Law of Persons*	Laws2011	2	0	0	0	2	Family Law	Laws2021	3	0	0	0	3
2		Legal History and Customary Law	Laws2012	3	0	0	0	3	Succession law	Laws2022	3	0	0	0	3
3		Jurisprudence	Laws2013	3	0	0	0	3	Contracts Law II*	Laws2023	3	0	0	0	3
4		Law of Contracts I**	Laws2914	3	0	0	0	3	Criminal Law I	Laws2024	3	0	0	0	3

5		Constitutional Law	Laws2015	4	0	0	0	4	Property Law	Laws2025	4	0	0	0	4
6							0		Legal Research Methodology	Laws2026	3	0	0	0	3
		TOTAL		15	0	0	0	15	TOTAL		19	0	0	0	19
1	3rd	Land Law	Laws3031	2	0	0	0	2	Civil Procedure II	Laws3041	3	0	0	0	3
2		Law of Extra-Contractual Liability	Laws3032	3	0	0	0	3	Criminal Procedure	Laws3042	3	0	0	0	3
3		Law of Special Contracts	Laws3033	4	0	0	0	4	Law of Evidence	Laws3043	3	0	0	0	3
4		Criminal Law II	Laws3034	3	0	0	0	3	Public International Law	Laws3044	5	0	0	0	5
5		Civil Procedure I*	Laws3035	3	0	0	0	3	Law of Banking, Insur.and NI	Laws3045	4	0	0	0	4
6		Law of Traders and Business Organization	Laws3036	4	0	0	0	4	Federalism	Laws3046	2	0	0	0	2
		TOTAL			19	0	0	0	19	TOTAL		20	0	0	0
1	4th	Law of Insurance	Laws4011	2	0	0	0	2	International Trade Law	Laws4041	3	0	0	0	3
2		Law of Banking and Negotiable Instruments	Laws4012	3	0	0	0	3	Investment Law	Laws4042	2	0	0	0	2
3		Public International Law	Laws4021	4	0	0	0	4	Human Rights Law	Laws4051	4	0	0	0	4
4		International Humanitarian Law	Laws4012	2	0	0	0	2	African Union and Human Rights Law	Laws4052	2	0	0	0	2
5		Environmental Law	Laws4023	2	0	0	0	2	Gender and Law	Laws4053	2	0	0	0	2
6		Water Law	Laws4023	2	0	0	0	2	Employment Laws	Laws4060	4	0	0	0	4
7		Construction Law	Laws4034	3	0	0	0	3	Sentencing and Execution	Laws4078	3	0	0	0	3
		TOTAL			18	0	0	0	18			20	0	0	0
1	5th	Pre-Trial, Trial and Appellate Advocacy / Moot Court	Laws5011	3	0	0	0	3	Exit Exam	Laws5050	3	0	3	0	4
2		Legal Clinics	Laws5012	2	0	0	0	2	Externship	Laws4060	12	0	12	0	12
3		Legal Ethics	Laws4013	3	0	0	0	3					0		
4		Alternative Dispute Resolution	Laws5020	3	0	0	0	3					0		
5		Senior Thesis	Laws5030	4	0	0	0	4					0		
6	TOTAL			15	0	0	0	15	TOTAL		15	0	15	0	16