



CURRICULUM BOOKLET



University of Garden City
Khartoum, Sudan

Irrespective of race, creed, and gender, education makes it possible for people to stand out as equal with all the other persons from different walks of life. Overall, education is the platform that makes it possible to defeat all barriers.

(c) University of Garden City



Curriculum Booklet

2020

© University of Garden City

Contents

No	Title	Page No.
1	About Us	4
2	Vision	4
3	Mission	4
4	Quality Policies	4
5	Objectives	5
6	Core Values	5
7	Message from the President	6
8	Message from the Vice-President	7
9	Message from the Dean-Academic Affairs	8
University Faculties		
10	Faculty of Engineering	9
	Bachelors (Honor Degree)	
	➤ Electronics Engineering (Telecommunications)	10
	➤ Computer Engineering (Networks)	13
	➤ Medical Engineering	16
	➤ Civil Engineering	19
	Diploma	
	➤ Medical Engineering	22
11	Faculty of Architecture, Planning and Urban Design	26
	Bachelors (Honor Degree)	
	➤ Architecture	27
	➤ Landscape Architecture	28
	➤ Physical Planning	30
12	Faculty of Multimedia and Creative Studies	31
	Bachelors (Honor Degree)	
	➤ Animation	33
	➤ Production	35
13	Faculty of Mass Communication	36
	Bachelors (Honor Degree)	
	➤ Public Relations	39
	➤ Journalism and Publication	40
	➤ Radio and Television	41
	➤ Marketing Communications and Advertisement	42
	Diploma	
	➤ Public Relations	43
14	Faculty of Economics and Management	46
	Bachelors (Honor Degree)	
	➤ Business Administration	49
	➤ Accounting and Finance	50
	➤ Marketing	51
	➤ Management Information Systems	52
	Diploma	
	➤ Marketing	53

15	Faculty of Computer Studies and Information Technology	56
16	Faculty of Medicine	58
17	Faculty of Medical Laboratory Science	63
	➤ Histopathology and Cytology	64
	➤ Parasitology and Medical Entomology	66
	➤ Medical Microbiology	66
	➤ Hematology and Immunohematology	67
	➤ Clinical Chemistry	68
18	Faculty of Nursing Science	69
19	Faculty of Dentistry	72
20	Faculty of Law	76
21	Faculty of Post Graduate Studies	80
	1. Master of Business Administration (MBA)	81
	➤ Management Information System	81
	➤ Human Resource Management	82
	➤ Marketing	82
	➤ Project Management	83
	➤ Finance	83
22	2. Master of Science in Communication Systems	84

About Us

The University of Garden City (UGC) was inaugurated on Monday, May 11, 2003, as a genuine addition to the Higher Education and Scientific Research system in the Sudan, equipped with the entire infrastructure that enables it to achieve its ambitious mission. A leading university, and distinguished academic centre, locally, regionally and internationally, to provide advanced academic services within a caring environment, designed to promote success, and renewed, continually improved scientific research according to international standards. The university has a mandate to lead the nation in terms of human capital development, leading innovation, contributing to economic development and leading society. Technology and the rapidly changing external environment, which is transforming teaching and research, are challenging the traditional view of the university. Students and wider society require year-round access to high quality courses and flexible modes of delivery. The University has a clear focus on a number of areas that will be key to our success, including the newly established E-Learning Deanship to advance our teaching methods and curricula. Targeted and innovative approaches to research through international and industry collaboration will promote our reputation both regionally and beyond. UGC has significant international reach and global standing through its students and graduates, research and academic partnerships. Technology is key not only to enhance teaching and learning but also to create a smart campus that is fitting with the digital age that we now live in.

Vision:

To become an independent University leading to the scope of the Sudan and the region in academic quality in the areas of focus, and the service of the community.

Mission:

The message of the University of Garden City is to Provide educational opportunities that focuses on knowledge's and skills that enables the student to adapt to fast in social, cultural, scientific and technological changes. And the University is committed to provide qualitative inexpensive education that meets the needs of the students, and helps them to achieve their educational and professional goals. It aims its graduates to be thinkers, creative, writers, critics, and committed to lifelong learning, accountability, integrity and personal national leadership.

Quality Policies:

UGC is committed to develop skills, knowledge and right attitude among students to meet the expectations of Industry, Parents and Society with continual improvement through dedicated team work.

Objectives:

- To contribute effectively to the advancement of Sudanese society and human civilization through the creation, dissemination and application of knowledge.
- To provide high quality, comprehensive educational and training opportunities that are adapted to changing needs of the students.
- To prepare students, through its academic programmes, for the major tasks of sustainable development and the challenges of the 21st Century.
- To cultivate in students, the ability to think critically and tolerate differences of opinion.
- To serve the local community, and Sudanese society at large, through the organization of cultural and intellectual activities; providing forums for debates; and organizing science & technology exhibitions.

Core Values:

- **Student Focus:** Meeting community and student needs by creating an educational environment and culture so that the students can attain a variety of goals.
- **Excellence:** Maintain a high standard of integrity and performance leading to the achievement of academic and professional goals.
- **Collaboration:** Seeking input from all sectors and the stake holders of the college and the community.
- **Diversity:** Fostering a learning community in which the values, goals, and learning styles of all students are recognized and supported.
- **Life-Long Learning:** Serving enthusiastic, independent thinkers and learners striving for personal growth.
- **Technological Advancement:** Keeping pace with global technological trends and enhancing traditional values of technology to prepare students for success at work place.
- **Supportive Atmosphere:** Institution supports an atmosphere of trust where communication and teamwork cultivate a rich environment for teaching and learning process.

Message from the President:

We welcome you to the University of Garden City, and are delighted with your interest in this great institution.

Since you come from different backgrounds, it is natural that you have different educational aspirations. Whatever these are, you will find that UGC offers you the opportunity to fully pursue them, with an experience that is both grounded in the reality of today's world and inspired by the possibilities of the future.

UGC has come a long way since its launch as a modest institute in 2003. We are successfully transforming this university, pursuing a quest for excellence and creating a new higher education model that is not only locally applicable, but also widely recognized and respected.

I am particularly pleased with how our university has advanced by daring to be bold. We are poised to introduce new undergraduate and postgraduate programs that add value to what is being offered by higher education institutions in the country. In this way, we continue to grow beyond our geographical boundaries to create greater opportunities for students around the region. We strive to expand the scope of learning for our students, and thus enhance the value of the degree they obtain.

Welcome to UGC, where you can acquire the knowledge and skills that will make you as distinctive as this exceptional institution of higher learning.

Eng. Omer Mohamed Abuelgasim, President

Message from the Vice-President:

Welcome to Garden City University! We are happy to have you join the Private family. As you begin your academic career, you are embarking on a path full of promise and hope. We committed to working with you and challenging you on this wonderful journey to take full advantage of the opportunities you will find at this great institution.

We are dedicated to meeting the needs of all students. We have committed faculty and outstanding staff, a beautiful campus and an atmosphere conducive to your academic goals. Students are most successful in the university setting if they make connections. Getting involved in student life will take you a step further in your journey. U.G.C offer opportunities for leadership development, academic support, networking, personal growth and community service.

To be at UGC is exciting! The learning atmosphere allows students to cultivate their varied interests. Beyond UGC, students can also explore other horizons by joining the student mobility programs through which they will enrich their cultural experience, earn new knowledge about their field, and gain greater self-confidence through our programs.

We hope you reach all of your goals and realize all your dreams.

Prof.Akram Mohamed Elhag, Vice President

Message from the Dean-Academic Affairs:

The world today is a much better place to develop one's potential. One is not limited by choice or technology, but only by the power of one's imagination.

At University of Garden City (UGC), the learners challenge assumptions, think beyond visible limits, and add the value of excellence in whatever they do.

Grounded in our commitment to engineering education innovation and interdisciplinary research, we offer our students a rich educational experience, an experience that bonds intellectual rigor and cross-disciplinary breadth in an intimate, student-centered environment. Research is an integral and conclusively enhancing part of this experience.

Today, we continue that legacy of innovation and leadership in undergraduate and professional education, and in research and technology transfer.

The College is its people – faculty, students, alumni and industries. Every aspect of our leadership, innovation, and growth comes from these sources. We seek, deliver and help you Achieve - Create – Excel.

Prof.Yousif Sulfab, Dean

Faculty of Engineering

The Faculty of Engineering at the University of Garden City welcomes creative young people who can face the challenge of invigorating future society by achieving what has heretofore been impossible. We expect that these people will profoundly develop their abilities within the Faculty's environment, which we are confident in saying is among the best in the world.

To create groundbreaking inventions and to achieve what has been impossible so far with the application of existing techniques, students should not be content to simply acquire knowledge and understand scientific principles. In addition to the learning that kind of knowledge, students must master engineering, which will enable them to create new technologies and make dreams come to life. The experience of studying engineering is somewhat different from that of studying at high schools or in general education courses at universities. At the University's Faculty of Engineering, knowledge gained from studying is combined with the latest world-class research. Only through this integration of research and study is it possible for students to understand the true essence of engineering, a far-reaching and stimulating discipline that can bring significant changes to society. We want our students to be "artists" in the field of engineering. To that end, they are expected to have the courage and audacious creativity to draw a picture on a blank canvas. While we want our students to possess a deep level of expertise, we also hope that they will be interested in social issues affecting the real world and that they can afford to consider what is important regarding these issues, what the future direction of society will be, and other various matters. They are also expected to have the resolve and willingness to undertake these challenges that the real world presents.

Departments

Bachelor

- Electronics Engineering (Telecommunication)
- Computer Engineering (Networking)
- Medical Engineering
- Civil Engineering

Diploma

- Medical Engineering

Vision

Our vision aims to be one on the leading and deeply participating in the development of the engineering practice in the country.

Mission

Our mission is to groom the students with strong foundations of knowledge and prepare them to face the challenges of the industry and society. We are committing to graduate knowledgeable graduates capable of delivering the uppermost level of performance, committing to professional excellence and ethical conduct.

Objectives

- To provide students with state-of-the-art technology and hands-on skills.
- To inspire the students to carry out research and innovation.
- To serve the country through our student, our graduates and our staff.

Core Values

- Professional excellence
- Integrity
- Innovation
- Creativity

Bachelors- Honors Degree

Electronics Engineering (Telecommunication)

Semester-1						
Code	Course Title	Contact Hrs.			Credit Hrs.	
		L	T	P		
REQ 111	Arabic Language I	3	0	0	3(3+0+0)	
REQ 112	English Language I	3	0	0	3(3+0+0)	
MAT 111	Calculus I	2	1	0	2(2+1+0)	
MAT 112	Linear Algebra	2	1	0	2(2+1+0)	
EEE 111	General Physics	2	0	3	3(2+0+3)	
EEE 112	Introduction to Engineering	2	0	0	2(2+0+0)	
CEE 111	Fundamentals of Computer	2	0	3	3(2+0+3)	
Total		10	0	6	18(16+0+6)	
Semester-2						
Code	Course Title	Contact Hrs.			Credit Hrs.	
		L	T	P		
REQ 121	Arabic Language II	3	0	0	3(3+0+0)	
REQ 122	English Language II	3	0	0	3(3+0+0)	
MAT 121	Calculus II	2	1	0	2(2+1+0)	
MAT 122	Vectors and Geometry	2	1	0	2(2+1+0)	
EEE 121	Modern Physics	2	0	3	3(2+0+3)	
EEE 122	Engineering Mechanics	3	1	0	3(3+1+0)	
EEE 123	General Chemistry	2	0	3	3(2+0+3)	
EEE 124	Engineering Drawing	2	0	3	3(2+0+3)	
Total		19	0	9	22(19+0+9)	
Semester-3						
Code	Course Title	Contact Hrs.			Credit Hrs.	
		L	T	P		
REQ 211	Religious Studies I	3	0	0	3(3+0+0)	
REQ 212	Sudanese Studies	3	0	0	3(3+0+0)	
EEE 211	Dynamic and Heat Transfer	2	0	0	2(2+0+0)	
EEE 212	Science of Strength of Materials	2	0	0	2(2+0+0)	
MAT 211	Differential Equations	2	1	0	2(2+1+0)	
MAT 212	Calculus III	2	1	0	2(2+2+0)	
EEC 211	Electrical Engineering I	2	0	3	3(2+0+3)	
CEE 211	Programming Language (c)	1	0	3	2(1+0+3)	
Total		17	0	6	19(17+0+6)	
Semester-4						
Code	Course Title	Contact Hrs.			Credit Hrs.	
		L	T	P		
REQ 221	Religious Studies II	3	0	0	3(3+0+0)	
MAT 221	Special Functions	2	1	0	2(2+1+0)	
MAT 222	Complex Functions	2	1	0	2(2+0+0)	
CEE 221	MATLAB	1	0	3	2(1+0+3)	
EEC 222	Electromagnetic I	2	1	0	2(2+1+0)	

EEC 223	Electrical Engineering II	2	0	3	3(2+0+3)
EEC 221	Basic Electronics	2	0	3	3(2+0+3)
EEE 221	Environmental Engineering	2	0	0	2(2+0+0)
EEE 222	General Workshop	0	0	3	1(0+0+3)
Total		16	0	12	20(16+0+12)
Semester-5					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MAT 311	Numerical Methods	2	0	3	3(2+0+3)
MAT 312	Statistic and Probability	2	2	0	3(2+2+0)
EEE 311	Analogue Electronics I	2	0	3	3(2+0+3)
EEE 312	Digital Circuits I	2	0	3	3(2+0+3)
CEE 311	Electromagnetic II	2	1	0	2(2+1+0)
CEE 312	Signals and Systems	2	2	0	3(2+2+0)
EEC 313	Fundamentals of Power	2	0	3	3(2+0+3)
EEE 313	Electrical Measurements and Instrumentations	2	0	3	3(2+0+3)
Total		16	4	15	23(16+4+15)
Semester-6					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CEE 321	Computer Networks	2	0	3	3(2+0+3)
EEE 321	Control Systems	2	0	0	2(2+0+0)
EEE 322	Analogue Electronics II	2	1	3	3(2+1+3)
EEE 323	Digital Circuits II	2	1	3	3(2+1+3)
CEE 322	Electromagnetic Wave Propagations	2	1	0	2(2+1+0)
CEE 323	Analogue Communications	2	1	3	3(2+1+3)
CEE 324	Digital Signal Processing	2	2	0	3(2+2+0)
CEE 325	Electronics Workshop	0	0	3	1(0+0+3)
Total		14	2	15	20(14+2+15)
Semester-7					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
EEE 411	Engineering Economics	2	0	0	2(2+0+0)
EEE 412	Microprocessor and Interfacing	2	0	3	3(2+0+3)
CEE 411	Data Communications	2	0	3	3(2+0+3)
CEE 412	Antenna and Wave Propagations	2	0	3	3(2+0+3)
EEE 413	Operating Systems	2	1	0	2(2+1+0)
CEE 413	Information Theory and Coding	2	1	0	2(2+1+0)
CEE 414	Digital Communications	2	1	3	3(2+1+3)
Total		14	0	12	18(14+0+12)
Semester-8					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
EEE 421	Engineering Management	2	0	0	2(2+0+0)
CEE 421	Optical Fiber Communications	2	0	3	3(2+0+3)
CEE 422	Satellite Communications	2	1	0	2(2+1+0)

CEE 423	Communication Networks	2	1	0	2(2+1+0)
CEE 424	Communication Electronics	2	1	0	2(2+1+0)
EEE 412	Microcontroller Applications	2	0	3	3(2+0+3)
CEE 426	Digital Image Processing	2	0	3	3(2+0+3)
Total		14	0	9	17(14+0+9)
Semester-9					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CEE 511	Sensors and Transducers	2	1	0	2(2+1+0)
CEE 512	Multimedia Communications	2	1	0	2(2+1+0)
CEE 513	Application of Nanotechnology in Communications	2	1	3	3(2+1+3)
HUM 511	Engineering Profession Ethics	2	0	0	2(2+0+0)
EEE 511	Research Methodology	1	0	0	1(1+0+0)
CEE 514	Elective Course	2	1	0	[2+1+0]
CEE 525	Final Project	0	0	0	0(0+0+0)
Total		11	0	3	12(11+0+3)
Semester-10					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CEE 521	Microwave Theory and Technique	2	1	0	2(2+1+0)
CEE 522	Radar System	2	1	0	2(2+1+0)
CEE 523	Elective Course	2	1	0	2(2+1+0)
CEE 524	Elective Course	2	1	0	2(2+1+0)
EEE 521	Seminar & Report	1	0	0	1(1+0+0)
CEE 525	Final Project	0	0	18	6(0+0+18)
Total		9	0	18	15(9+0+18)

⊛ **Elective Courses**

- Transmission and Switching
- Telecom Traffic Engineering
- Broadband Digital Networks
- Telecommunication Management Networks
- Speech and Video Communication

Computer Engineering (Networks)

Semester-1					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
REQ 111	Arabic Language I	3	0	0	3(3+0+0)
REQ 112	English Language I	3	0	0	3(3+0+0)
MAT 111	Calculus I	2	1	0	2(2+1+0)
MAT 112	Linear Algebra	2	1	0	2(2+1+0)
EEE 111	General Physics	2	0	3	3(2+0+3)
EEE 112	Introduction to Engineering	2	0	0	2(2+0+0)
CEE 111	Fundamentals of Computer	2	0	3	3(2+0+3)
Total		10	0	6	18(16+0+6)
Semester-2					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
REQ 121	Arabic Language II	3	0	0	3(3+0+0)
REQ 122	English Language II	3	0	0	3(3+0+0)
MAT 121	Calculus II	2	1	0	2(2+1+0)
MAT 122	Vectors and Geometry	2	1	0	2(2+1+0)
EEE 121	Modern Physics	2	0	3	3(2+0+3)
EEE 122	Engineering Mechanics	3	1	0	3(3+1+0)
EEE 123	General Chemistry	2	0	3	3(2+0+3)
EEE 124	Engineering Drawing	2	0	3	3(2+0+3)
Total		19	0	9	22(19+0+9)
Semester-3					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
REQ 211	Religious Studies I	3	0	0	3(3+0+0)
REQ 212	Sudanese Studies	3	0	0	3(3+0+0)
EEE 211	Dynamic and Heat Transfer	2	0	0	2(2+0+0)
EEE 212	Science of Strength of Materials	2	0	0	2(2+0+0)
MAT 211	Differential Equations	2	1	0	2(2+1+0)
MAT 212	Calculus III	2	1	0	2(2+2+0)
EEC 211	Electrical Engineering I	2	0	3	3(2+0+3)
CEE 211	Programming Language (c)	1	0	3	2(1+0+3)
Total		17	0	6	19(17+0+6)
Semester-4					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
REQ 221	Religious Studies II	3	0	0	3(3+0+0)
MAT 221	Special Functions	2	1	0	2(2+1+0)
MAT 222	Complex Functions	2	1	0	2(2+0+0)
CEE 221	MATLAB	1	0	3	2(1+0+3)
EEC 222	Electromagnetic I	2	1	0	2(2+1+0)
EEC 223	Electrical Engineering II	2	0	3	3(2+0+3)
EEC 221	Basic Electronics	2	0	3	3(2+0+3)

EEE 221	Environmental Engineering	2	0	0	2(2+0+0)
EEE 222	General Workshop	0	0	3	1(0+0+3)
Total		16	0	12	20(16+0+12)
Semester-5					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MAT 311	Numerical Methods	2	0	3	3(2+0+3)
MAT 312	Statistic and Probability	2	2	0	3(2+2+0)
EEE 311	Analogue Electronics I	2	0	3	3(2+0+3)
EEE 312	Digital Circuits I	2	0	3	3(2+0+3)
CEE 311	Electromagnetic II	2	1	0	2(2+1+0)
CEE 312	Signals and Systems	2	2	0	3(2+2+0)
EEC 313	Fundamentals of Power	2	0	3	3(2+0+3)
EEE 313	Electrical Measurements and Instrumentations	2	0	3	3(2+0+3)
Total		16	4	15	23(16+4+15)
Semester-6					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CEE 321	Computer Networks	2	0	3	3(2+0+3)
EEE 321	Control Systems	2	0	0	2(2+0+0)
EEE 322	Analogue Electronics II	2	1	3	3(2+1+3)
EEE 323	Digital Circuits II	2	1	3	3(2+1+3)
CEE 322	Electromagnetic Wave Propagations	2	1	0	2(2+1+0)
CEE 323	Analogue Communications	2	1	3	3(2+1+3)
CEE 324	Digital Signal Processing	2	2	0	3(2+2+0)
CEE 325	Electronics Workshop	0	0	3	1(0+0+3)
Total		14	2	15	20(14+2+15)
Semester-7					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
	Operating Systems				3
	Data Communication				2
	Digital Communication				3
	Microcontroller Applications				3
	Engineering Economics				2
	Discrete Structure				3
	Object Oriented Programming				3
Total					19
Semester-8					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
	Information Security				3
	Introduction to Software Engineering				3
	Network Security				3
	Engineering Management				3
Total					12

Semester-9					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
	Computer Architecture and Maintenance				3
	Artificial Intelligence				3
	Engineering Professional Ethics				2
	Research Methodology				1
	Embedded Systems				3
	Real Time Systems				3
Total					15
Semester-10					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
	Advanced Network				3
	Distributed Systems				3
	Programmable Logic Controller				3
	Graduation Project				6
Total					15

Medical Engineering

Semester-1					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CHM 111	General Chemistry				3(2+3)
MAT 111	Calculus I				3(2+2)
PHY 111	General Physics				3(2+3)
UAR 10	Arabic Language I				2(2+0)
UCS 13	Basics of Computer				3(1+4)
UIS 22	Islamic Culture I				2(2+0)
UEN 11	English I				2(2+0)
USS 14	Sudanese Studies				2(2+0)
Total					20(15+12)
Semester-2					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CSC 121	Fundamentals of Algorithms and Programming				3(2+3)
ENG 522	Electricity and Magnetism				2(2+3)
ENG 121	Engineering Drawing I				2(2+3)
MAT 121	Engineering Algebra				2(2+3)
MAT 122	Calculus II				2(2+2)
UAR 20	Arabic Language II				2(2+0)
UEN 21	English II				2(2+0)
UIS 21	Islamic Culture II				2(2+0)
Total					21(16+14)
Semester-3					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
ELE 211	Electrical Circuits Analysis I				2(2+3)
ENG 213	Principles of Mechanical Engineering				2(2+0)
MAT 211	Complex Analysis				2(2+2)
MAT 212	Differential Equations				2(2+2)
MAT 213	Applied Statistics				2(2+2)
UAR 40	Arabic Language III				2(2+2)
UEN 31	English Language III				2(2+2)
Total					18(14+9)
Semester-4					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
ELE 221	Fundamentals of Electronics				2(2+3)
ELE 222	Digital Circuits I				2(2+0)
ELE 223	Electrical Circuits Analysis II				2(2+2)
ENG 221	Mechanical Engineering Workshops				6(6+0)
MAT 221	Engineering Mathematics				2(2+2)
MEE 221	Anatomy and Human Organ Physiology				2(2+3)
CHM 211	Principles of Biochemistry				2(2+3)

Total							18(14+9)
Semester-5							
Code	Course Title	Contact Hrs.			Credit Hrs.		
		L	T	P			
ELE 311	Signals and Systems				2(2+0)		
ELE 312	Electronic Circuits I				2(2+0)		
ELE 313	Digital Circuits II				2(2+0)		
ELE 314	Electromagnetic Theory				2(2+0)		
ENG 512	Engineering Drawing II				1(1+0)		
MAT 312	Numerical Analysis				2(2+0)		
ENG 211	Measurements and Instrumentation				2(2+0)		
MEE 321	Biomaterials and Biomechanics				2(2+0)		
Total				21(15+16)			
Semester-6							
Code	Course Title	Contact Hrs.			Credit Hrs.		
		L	T	P			
ELE 321	Electronics Circuits II				3(3+2)		
ELE 322	Sensors and Electronic Measurements				3(3+2)		
ELE 323	Microprocessors				3(3+2)		
ELE 324	Nano Technology in Electronics				2(0+2)		
ENG 322	Mathematical Methods				2(0+2)		
ELE 326	Control Systems I				2(3+2)		
ENG 321	Industrial Safety and Environment Protection				2(0+2)		
MEE 421	Nuclear Physics				2(0+2)		
Total				20(12+16)			
Semester-7							
Code	Course Title	Contact Hrs.			Credit Hrs.		
		L	T	P			
MEE 525	Industrial Training I				2(0+6)		
ELE 412	Electronic Design				2(1+3)		
ELE 413	Power Electronics				3(2+3)		
ELE 414	Advanced Digital Circuits Design				3(2+3)		
ELE 415	Digital Signal Processing				3(2+3)		
ELE 416	Control Systems II				3(2+3)		
MEE 411	Bio Signals Measuring and Monitoring Instruments				3(2+3)		
MEE 412	Ionized Radiation Imaging Systems				2(0+2)		
Total				21(13+24)			
Semester-8							
Code	Course Title	Contact Hrs.			Credit Hrs.		
		L	T	P			
ENG 532	Artificial Intelligence				3(2+3)		
ELE 422	Embedded Systems				3(2+3)		
ENG 421	Engineering Economy				2(0+2)		
ENG 322	Research Methods				2(1+2)		
MEE 421	Medical Laboratory Equipment				2(0+2)		
MEE 422	Stochastic Processes in Medical Engineering				2(0+2)		

MEE 423	Non-ionized Radiation Imaging Systems				2(0+2)
MEE 424	Modeling and Simulation of Physiological Systems				3(2+3)
Total					19(15+11)
Semester-9					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MEE 526	Industrial Training II				2(0+6)
ELE 512	Instrument Design				2(1+3)
MEE 527	Graduation Project I				2(0+6)
ENG 511	Industrial Management				3(3+0)
MEE 511	Bioinformatics				2(2+0)
MEE 512	Optimization in Medical Engineering				2(2+0)
MEE 513	Medical Image Processing				2(1+3)
Total					15(9+18)
Semester-10					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MEE 528	Graduation Project II				4(0+12)
MEE 521	Medical Instrumentation				3(2+3)
MEE 522	Artificial Organs and Robot				2(0+2)
MEE 523	Telemedicine				2(0+2)
MEE 524	Hospital Engineering				2(0+2)
Total					13(8+17)

Civil Engineering

Semester-1					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
HUM 11203	English Language I	2	0	0	2(2+0+0)
HUM 11102	Arabic Language I	2	0	0	2(2+0+0)
HUM 11301	Islamic Culture I	2	0	0	2(2+0+0)
HUM 22303	Sudanese Studies	2	0	0	2(2+0+0)
GSC 11104	Algebra and Analytical Geometry	2	2	0	3(2+2+0)
GSC 11105	Physics I	2	0	3	2(2+0+0)
EGS 11107	Engineering Mechanics I	2	2	0	3(2+2+0)
EGS 11106	Fundamentals of Engineering Profession	2	0	0	2(2+0+0)
Total		16	4	3	19(16+4+3)
Semester-2					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
HUM 12206	English Language II	2	0	0	2(2+0+0)
HUM 12102	Arabic Language II	2	0	0	2(2+0+0)
HUM 12307	Islamic Culture II	2	0	0	2(2+0+0)
GSC 12107	General Chemistry	2	0	3	3(2+0+3)
EGS 12105	Physics II	2	2	3	3(2+2+3)
EGS 12106	Engineering Mechanics II	2	2	0	3(2+0+0)
GSC 12104	Calculus I	2	2	0	3(2+2+0)
Total		14	4	6	18(14+4+6)
Semester-3					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
HUM 12307	Islamic Culture III	2	0	0	2(2+0+0)
HUM 21203	English Language III	2	0	0	2(2+0+0)
HUM 21102	Arabic Language III	2	0	0	2(2+0+0)
EGS 11108	Engineering Drawing	2	0	3	2(2+0+3)
GSC 21104	Differential Equations	2	2	0	3(2+2+0)
EGS 21108	Electrical Engineering Principles	2	0	3	2(2+0+3)
EGS 21106	Materials Science	2	0	0	3(2+2+0)
GSC 12144	Calculus II	2	2	0	3(2+2+0)
Total		16	4	6	20(16+4+6)
Semester-4					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CVE 22004	Civil Engineering Drawing	2	0	3	3(2+0+3)
GSC 22101	Integral and Special Functions	2	2	0	3(2+2+0)
GSC 12149	Calculus III	2	2	0	3(2+2+0)
EGS 21107	Mechanical Engineering Principles	2	2	0	3(2+2+0)
GSC 21105	Introduction to Computer Science	2	0	3	3(2+0+3)
GSC 22102	Engineering Geology	2	0	0	2(2+0+0)
EGS 22507	Surveying I	2	0	3	3(2+0+3)

EGS 22106	Mechanics of Material I	2	1	3	3(2+0+3)
Total		16	6	12	22(16+6+9)
Semester-5					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CVE 31106	Mechanics of Materials II	2	1	3	3(2+1+3)
CVE 31102	Theory of Structure I	2	2	0	3(2+2+0)
CVE 22005	Construction Material and Concrete Technology	2	1	3	3(2+1+3)
CVE 31104	Design of Steel Structure I	2	2	0	3(2+2+0)
CVE 31205	Fluid Mechanics I	2	1	3	3(2+1+3)
GSC 32101	Numerical Techniques	2	2	0	3(2+2+0)
Total		12	6	9	18(12+6+9)
Semester-6					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CVE 32103	Mechanics of Materials III	2	1	3	3(2+1+3)
CVE 32205	Fluid Mechanics II	2	1	3	3(2+1+3)
EGS 32502	Surveying II	2	0	3	3(2+0+3)
CVE 32104	Design of Reinforced Concrete Structures I	2	1	3	3(2+1+3)
CVE 32306	Soil Mechanics I	2	1	3	3(2+1+3)
GSC 31101	Statistics and Probability	2	2	0	3(2+2+0)
Total		12	2	15	18(12+2+15)
Semester-7					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CVE 41101	Theory of Structures II	2	2	0	3(2+2+0)
CVE 41102	Design of Steel Structure II	2	2	0	3(2+2+0)
CVE 41203	Hydraulics	2	0	3	3(2+0+3)
CVE 41204	Environmental Engineering I	2	0	3	3(2+0+3)
CVE 41305	Soil Mechanics II	2	1	3	3(2+1+3)
EGS 41506	Engineering Economics	2	1	0	2(2+1+0)
HUM 21501	Engineering Profession Ethics	2	0	0	2(2+0+0)
Total		14	4	9	19(14+4+9)
Semester-8					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CVE 42102	Plastic Analysis of Structures	2	2	0	3(2+2+0)
CVE 42103	Design of Reinforced Concrete Structures II	2	1	3	3(2+1+3)
CVE 42205	Environmental Engineering II	2	0	3	3(2+0+3)
CVE 42204	Hydrology	2	0	3	3(2+0+3)
CVE 42306	Highway and Transportation Engineering I	2	0	3	3(2+0+3)
CVE 42307	Estimations and Quantity Calculations	2	2	0	3(2+2+0)
EGS 52501	Research Methodology	0	0	0	0(0+0+0)
Total		12	4	12	18(12+4+12)

Semester-9					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CVE 51101	Finite Elements in Civil Engineering I	2	2	0	3(2+2+0)
CVE 51102	Pre-stressed Concrete and Bridge Engineering	2	0	3	3(2+0+3)
CVE 51103	Hydraulic Structures	2	0	3	3(2+0+3)
CVE 51102	Soil Mechanics III	2	1	3	3(2+1+3)
CVE 51305	Highway and Transportation Engineering II	2	0	3	3(2+0+3)
CVE 52102	Construction Management	2	1	0	2(2+1+0)
CVE 51007	Graduation Project	0	0	0	0(0+0+0)
Total		12	2	12	17(12+2+12)
Semester-10					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CVE 52202	Irrigation Engineering	2	0	3	3(2+0+3)
CVE 52303	Foundation Engineering	2	2	0	3(2+2+0)
CVE 52007	Graduation Project	0	0	18	6(0+0+18)
-----	Elective Course I	2	0	0	2(2+0+0)
-----	Elective Course II	3	0	0	3(3+0+0)
-----	Elective Course III	3	0	0	3(3+0+0)
Total		12	2	21	20(12+2+21)

✧ **Electives-I**

- Expansive Soils
- Construction Design Software
- Water Projects Design Software

✧ **Electives-II**

- Theory of Slabs and Plates
- Advanced Hydraulic
- Transportation and Traffic Engineering

✧ **Electives-III**

- Finite Elements in Civil Engineering-II
- Water Resources Management

الخطة الدراسية

لإكمال البرنامج في مجال دبلوم الهندسة الطبية على الطالب دراسة المقررات في الخطة الدراسية التالية:
السنة الأولى - الفصل الأول:-

اسم المادة	الساعات المعتمدة	ساعات لمحاضرات (اسبوعيا)	ساعات المتابعة (اسبوعيا)	ساعات العمل (اسبوعيا)
حسبان-1 (تفاضل)	3	2	2	-
الجبر والاعداد المركبة	3	2	2	-
الفيزياء العامة	3	2	2	3
الكيمياء العامة	3	2	-	3
دوائر كهربية	3	2	-	3
مقدمة الحاسوب	3	1	-	3
اللغة الإنجليزية-1	2	2	-	-
اللغة العربية-1	2	2	-	-
المجموع	22	15	6	12

السنة الأولى - الفصل الثاني:-

اسم المادة	الساعات المعتمدة	ساعات نظري	ساعات المتابعة	ساعات العمل
حسبان-2 (تكامل)	3	2	2	-
التشريح ووظائف الاعضاء	3	2	-	3
ميكانيكا	2	2	-	-
اشباه الموصلات	3	2	-	3
الرسم الهندسي-1	3	2	-	3
اللغة الإنجليزية-2	2	2	-	-
اللغة العربية-2	2	2	-	-

-	-	2	2	ثقافة اسلامية-1
9	2	16	20	المجموع

السنة الثانية –الفصل الثالث:-

اسم المادة	الساعات المعتمدة	المحاضرات نظري	ساعات المتابعة (اسبوعيا)	ساعات العملي (اسبوعيا)
معادلات تفاضلية	3	2	2	-
إلكترونيات رقمية	3	2	-	3
الالكترونيات تماثلية	3	2	-	3
الرسم الهندسى-2	3	2	-	3
فيزياء الطب الاحيائي	2	2	-	-
ثقافة اسلامية-2	2	2	-	-
القياسات الالكترونية	3	2	-	3
تدريب اساسى	0	-	-	(25)
المجموع	19	14	2	(25)12

السنة الثانية –الفصل الرابع:-

اسم المادة	الساعات المعتمدة	المحاضرات (اسبوعيا)	ساعات المتابعة (اسبوع)	ساعات العملي (اسبوعيا)
الإحصاء والإحتمالات	3	2	2	-
أساسيات البرمجه	3	2	-	3
أجهزة طبية-1	3	2	-	3
الماكينات الكهربائية	2	2	-	-
الالكترونيات القدرة	3	2	-	3
المواد والميكانيكا الإحيائية	3	2	-	3
الطب النووي	2	2	-	-
المجموع	19	14	2	12

السنة الثالثة – الفصل الخامس:-

اسم المادة	الساعات المعتمدة	ساعات المحاضرات (أسبوع)	ساعات المتابعة (اسبوعيا)	ساعات العملي (اسبوعيا)
أجهزة طبية-2	3	2	-	3
المتحكمات الدقيقة	3	2	-	3
نظم التصوير بالأشعة المؤينة	3	2	-	3
السلامه والصحه المهنية	2	2	-	-
مشروع التخرج-1	2	-	-	6
تدريب علي المعدات الطبية-1	3	-	-	25
المجموع	16	8	0	(25) 15

السنة الثالثة – الفصل السادس:-

اسم المادة	الساعات المعتمدة	ساعات المحاضرات (اسبوعيا)	ساعات المتابعة (اسبوعيا)	ساعات العملي (اسبوعيا)
نظم التصوير بالإشعة غير المؤينة	3	2	-	3
أجهزة العناية المركزه	3	2	-	3
تدريب علي المعدات الطبية-2	3	-	-	25
أجهزة المعامل الطبية	3	2	-	3
مشروع التخرج-2	4	-	-	12
المجموع	16	6	0	(25)21

Faculty of Architecture, Planning and Urban Design

As part of the endeavor of the university of Garden City for promoting its status, the program of this faculty is meant to include three electives all within the realm of the architectural profession; Architectural Design, Planning and Urban Design. The current course running is the first elective but the latter two electives will be offered when the situation allows for the students who complete successfully six semesters of courses covering the basic knowledge common to all three options. Currently, there is supporting argument for introducing such specialist courses as positive additions to the current architectural courses in the country.

The design of our courses is approached with the conviction that the architecture of the nation is the most concrete index of its social circumstances and cultural maturity. The nation's architecture is depicted by the single and basic dwelling needed at the level of subsistence and extends to include more complex edifices such as schools, hospitals, factories sport arenas etc.

Departments

Bachelors:

- Architecture
- Landscape Architectural Design
- Architecture Planning

Vision:

Our vision for our courses is to prepare carefully the graduates for fitting the job that the architect is to play in society. That is basically to prepare them for the highest possible quality for such program's outcome.

Mission:

The mission of our faculty courses is that the graduates are well equipped with the highest abilities recommended worldwide for demonstrating understanding and able to apply the necessary skills and knowledge - base for a competent architect.

Objectives:

The main objectives of our courses are to furnish the graduates with the fundamental skills in speaking and writing about all aspects concerned with in the architectural domain. In addition to that they are to be knowledgeable in graphical and basic design skills, well acquainted with critical thinking, informal ordering systems and most important are well prepared for working in a team as architecture is predominantly a multidisciplinary profession.

Architecture / Landscape Architectural Design / Architectural Planning

Semester-1 : Core Courses					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
Arch (1-1-1)	Design Studio I	0	0	14	7
Arch (1-1-2)	History / Theory I	2	0	0	2
Arch (1-1-3)	Construction I	2	1	0	2
Arch (1-1-4)	Mathematics I	2	0	0	2
Arch (1-1-5)	Physics	2	1	0	2
Arch (1-1-6)	Introduction to Computer I	1	0	2	2
Arch (1-1-7)	Arabic Language Skills I	2	0	0	2
Arch (1-1-8)	English Language Skills I	2	0	0	2
Arch (1-1-9)	Islamic Culture I	2	0	0	2
Arch (1-1-10)	Sudanese Studies	2	0	0	2
Total		35			25
Semester-2: Core Courses					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
Arch (1-2-1)	Design Studio II	0	0	14	7
Arch (1-2-2)	History / Theory II	2	0	0	2
Arch (1-2-3)	Construction II	2	0	1	2
Arch (1-2-4)	Mathematics II	2	0	0	2
Arch (1-2-6)	CAD Computer for Architects I	0	0	2	1
Arch (1-2-7)	Arabic Language Skills II	2	0	0	2
Arch (1-2-8)	English Language Skills II	2	0	0	2
Arch (1-2-9)	Islamic Culture II	2	0	0	2
Arch (1-2-11)	Workshop Technology	1	0	3	2
Total		33			22
Semester-3: Core Courses					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
Arch (1-3-1)	Design Studio III	0	0	14	7
Arch (1-3-2)	History / Theory III	2	0	0	2
Arch (1-3-3)	Construction III	2	0	1	2
Arch (1-3-9)	Structures I	2	0	0	2
Arch (1-3-7)	CAA- Computer for Architects II	0	0	2	1
Arch (1-3-12)	Environ. Controls I / Thermal Energy in Buildings	2	0	0	2
Arch (1-3-13)	Planning I	2	0	0	2
Arch (1-3-7)	Arabic Language Skills III	2	0	0	2
Arch (2-3-8)	English Language Skills III	2	0	0	2
Total		31			22
Semester-4: Core Courses					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
Arch (1-4-1)	Design Studio IV	0	0	14	7
Arch (1-4-2)	History / Theory IV	2	0	0	2

Arch (1-4-3)	Construction IV	2	0	1	2
Arch (1-4-9)	Structures II	2	0	0	2
Arch (1-4-6)	CAA- Computer for Architects III	0	0	2	1
Arch (1-4-12)	Environ. Controls II / Plumbing System in Buildings	2	0	0	2
Arch (1-4-13)	Planning II	2	0	0	2
Arch (1-2-9)	Islamic Culture II	2	0	0	2
Total		29			20
Semester-5: Core Courses					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
Arch (1-5-1)	Design Studio V	0	0	14	7
Arch (1-5-2)	History / Theory V	2	0	0	2
Arch (1-5-3)	Construction V	2	0	1	2
Arch (1-5-9)	Structures III	2	0	0	2
Arch (1-5-6)	CAAD-Computer for Architects IV	0	0	2	1
Arch (1-5-12)	Environ. Controls III / Building Illumination I	2	0	0	2
Arch (1-5-13)	Planning III/ Urban Housing	2	0	0	2
Arch (1-5-14)	Construction Economics	2	0	0	2
Total		29			20
Semester-6: Core Courses					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
Arch (1-6-1)	Design Studio VI	0	0	14	7
Arch (1-6-2)	History / Theory VI	2	0	0	2
Arch (1-6-3)	Construction VI	2	0	1	2
Arch (1-6-9)	Structures IV	2	0	0	2
Arch (1-6-6)	CAAD-V	0	0	2	1
Arch (1-6-12)	Environ. Controls IV/ Building Electrical Systems	2	0	0	2
Arch (1-6-13)	Planning IV	2	0	0	2
Arch (1-6-14)	Construction Economics II	2	0	0	2
Total		30			21
Semester-7 Elective: Architecture					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
Arch (1-7-1)	Design Studio VII	0	0	20	10
Arch (1-7-12)	Environ. Controls V / Acoustics in Buildings	2	0	0	2
Arch (1-7-14)	Construction Management I	2	0	0	2
Total		24			14
Semester-8 Elective: Architecture					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
Arch (1-8-1)	Design Studio VIII	0	0	18	9
Arch (1-8-14)	Construction Management II	2	0	0	2
Arch (1-8-15)	Professional Practice I	2	0	0	2
Arch (1-8-16)	Architectural Research I	2	0	0	2
Total		24			15

Semester-9 Elective: Architecture					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
Arch (I-9-1)	Design Studio IX	0	0	22	11
Arch (I-9-15)	Professional Practice II	2	0	0	2
Arch (I-9-16)	Architectural Research II	2	0	0	2
Total		26			15
Semester-10 Elective: Architecture					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
Arch (I-10-1)	Design Studio X	0	0	32	16
Total		32			16

Semester-7 Elective: Landscape Architecture					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
ARLS 31	Landscape Studio I	0	0	18	9
ARLS 32	Landscape Theory I	2	0	0	2
ARLS 33	Ecological Sciences I	2	0	0	2
ARLS 34	Plants in Landscape I	2	0	0	2
Total		24			15
Semester-8 Elective: Landscape Architecture					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
ARLS 31	Landscape Studio II	0	0	18	9
ARLS 32	Landscape Theory II	2	0	0	2
ARLS 33	Ecological Sciences	2	0	0	2
ARLS 35	Research Methodology I	2	0	0	2
Total		24			15
Semester-9 Elective: Landscape Architecture					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
ARLS 31	Landscape Studio III	0	0	18	9
ARLS 35	Research Methodology II	2	0	0	2
ARLS 36	Geomorphologic Studies	2	0	0	2
ARLS 37	Management Studies I	2	0	0	2
Total		24			15
Semester-10 Elective: Landscape Architecture					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
ARLS 31	Landscape Studio IV	2	0	18	11
ARLS 38	Geomorphologic Studies	2	0	0	2
ARLS 37	Management Studies (Professional Practice)	2	0	0	2
Total		24			15

Semester-7 Elective: Physical Planning					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
ARPP	Planning Studio I	0	0	8	4
ARPP 42	History/ Theory of Planning I	2	0	0	2
ARPP	Cartography I	2	0	0	2
ARPP	Settlement Studies I	2	0	0	2
ARPP	Urban Sociology I	2	0	0	2
ARPP	Statistics I and Probabilities	2	0	0	2
ARPP	Economics I	2	0	0	2
Total		20			16
Semester-8 Elective: Physical Planning					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
ARPP	Planning Studio II	0	0	8	4
ARPP 42	History/ Theory of Planning II	2	0	0	2
ARPP	Cartography II	2	0	0	2
ARPP	Settlement Studies II	2	0	0	2
ARPP	Urban Sociology II	2	0	0	2
ARPP	Statistics II and Probabilities	2	0	0	2
ARPP	Economics II – Urban Economics	2	0	0	2
Total		20			16
Semester-9 Elective: Physical Planning					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
ARUP	Planning Studio III	0	0	10	5
ARUP	Land Use studies I	2	0	0	2
ARUP	Urban Form Documentation	2	0	0	2
ARUP	Research Methodology I	2	0	0	2
ARUP	Spatial Concepts	2	0	0	2
ARUP	Strategic Development	2	0	0	2
Total		20			15
Semester-10 Elective: Physical Planning					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
ARUP	Planning Studio IV	1	0	18	10
ARUP	Land Use studies II	2	0	0	2
ARUP	Urban Form Documentation II	2	0	0	2
ARUP	Research Methodology II	2	0	0	2
Total		25			16

Faculty of Multimedia and Creative Studies

The Faculty of Multimedia and Creative technology aims to equip the students with the knowledge and skills in multimedia design and development. Multimedia provides the students with the fundamental skills to be employed with the Graphic Arts, Audio Technology, Animation, Video, and printing and publishing industries. It introduces students to a wide range of professional multimedia development packages. As the need of creative multimedia professionals is increasing every year, this programme provides the base of developing the necessary skills to cater the needs in multimedia industries.

In education, multimedia is used to produce computer-based training courses (popularly called CBTs) and reference books like encyclopedia and almanacs. A CBT lets the user go through a series of presentations, text about a particular topic, and associated illustrations in various information formats. Edutainment is the combination of education with entertainment, especially multimedia entertainment. Learning theory in the past decade has expanded dramatically because of the introduction of multimedia. Several lines of research have evolved, e.g. cognitive load and multimedia learning.

From multimedia learning (MML) theory, David Roberts has developed a large group lecture practice using PowerPoint and based on the use of full-slide images in conjunction with a reduction of visible text (all text can be placed in the notes view' section of PowerPoint). The method has been applied and evaluated in 9 disciplines.

In each experiment, students' engagement and active learning has been approximately 66% greater, than with the same material being delivered using bullet points, text and speech, corroborating a range of theories presented by multimedia learning scholars like Sweller and Mayer. The idea of media convergence is also becoming a major factor in education, particularly higher education.

Defined as separate technologies such as voice (and telephony features), data (and productivity applications) and video that now share resources and interact with each other, media convergence is rapidly changing the curriculum in universities all over the world.

Departments

Bachelors:

- Animation
- Production

Vision

The college seeks to achieve leadership locally, regionally and globally, in the field of multimedia, and contribute to building a community of Prominent and excellence in teaching specialization in accordance with international quality standards

Mission

Graduating specialized human cadres and keeping pace with the development in order to provide the community and the labor market with its technical needs in the field of multimedia.

Values:

Honesty, workmanship, cooperation, initiative and transparency

Goals

1. Graduating qualified cadres in the field of production and animation
2. Enhancing the university's role in transferring knowledge and technical skills to society
3. Contribute to developing the production of children's programs
4. Providing scientific research in the field of multimedia
5. Providing mass communication means with the specialized staff in editing, graphics and directing

Semester-1 Core Courses					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
HS 101	Physics (Light & Lenses)	2	0	0	2
HS 102	Religious Studies I	2	2	0	3
HS 103	Arabic Language I	2	2	0	3
HS 104	Sudanese Studies I (History of The Sudan)	2	0	0	2
HS 105	English Language I	2	0	0	2
MU 101	Basic Design (Black & White) I	2	2	0	3
MU 102	Photography	2	0	0	2
MU 103	History of Arts	2	0	0	2
MU 104	Studio Techniques (Cinemas Camera & Equipment)	2	2	0	3
Total		18	8	0	22
Semester-2 Core Courses					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
HS 201	Sudanese Studies II (Geography & Population	2	0	0	2
HS 202	Religious Studies II	2	2	0	3
HS 203	Arabic Language II	2	2	0	3
HS 204	English Language II	2	0	0	2
MU 201	History of Cinema	2	2	0	3
MU 202	Introduction to Communication	2	0	0	2
MU 203	Visual Literacy	2	0	0	2
MU 204	Best Design (color) II	2	0	0	3
Total		16	6	0	19
Semester-3 Core Courses					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MU 303	Introduction to 3D Animation	2	2	0	3
MU 304	Imaging and Design I	2	2	0	3
MU 305	Fundamental of Script Writing	2	2	0	3
MU 306	Communication Theories	2	2	0	3
MU 307	Graphics Design	2	2	0	3
MU 308	Basic of Filming	2	0	0	2
Total		12	10	0	17
Semester-4 Core Courses					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MU 401	Sound and Visual Media	2	2	0	3
MU 402	Sound Capes	2	0	0	2
MU 403	Public Opinion	2	0	0	2
MU 404	Compositions in Cinema	2	2	0	3
MU 405	Typography	2	2	0	3
MU 406	Production	2	2	0	3
MU 407	Broad Cast (Documentary)	2	2	0	3
MU 408	Communication Skills	2	2	0	2

Total	18	12	0	21
--------------	-----------	-----------	----------	-----------

Semester-5 Elective: Animation					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MU 501	Computer Animation & Special Effects I	2	2	0	3
MU 502	International Communication	2	2	0	3
MU 503	Imaging and Design II	2	2	0	3
MU 504	Computer and Music I	2	2	0	3
MU 505	Art of Directing (Basics)	2	0	0	2
MU 506	Editing I	2	2	0	3
MU 507	Psychology (General Psychology)	2	0	0	2
MU 508	Free Hand Drawing	2	2	0	3
Total		16	12	0	22
Semester-6 Elective: Animation					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MU 601	Computer Animation & Special Effects II	2	2	0	3
MU 602	How to Run SME (Small Media Entity)	2	0	0	2
MU 603	Image Analysis	2	2	0	3
MU 604	Public Relations	2	0	0	2
MU 605	Image Processing & Manipulation	2	2	0	3
MU 606	Media Laws & Ethics	2	0	0	2
MU 607	Free Hand Drawing II	2	2	0	3
Total		14	8	0	18
Semester-7 Elective: Animation					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MU 701	Computer Animation Advance	2	2	0	3
MU 702	Research Methodology	2	0	0	2
MU 703	Graduation Project I	0	0	4	4
MU 704	Digital Video Graphic	2	2	0	3
MU 705	Script Writing	2	2	0	3
MU 706	Editing II	2	2	0	3
Total		10	8	4	18
Semester-8 Elective: Animation					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MU 801	Graduate Project	0	0	4	4
MU 802	Media Context	2	2	0	3
MU 803	Web Design	2	2	0	3
MU 804	Mechanism of Movement & Animation	0	0	0	3
Total		16	12	4	22

Semester-5 Elective: Production					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MU 501	Image Processing and Manipulation I	2	2	0	3
MU 502	International Communication	2	2	0	3
MU 503	Imaging and Design II	2	2	0	3
MU 504	Computer and Music I	2	2	0	3
MU 505	Art of Directing (Basics)	2	0	0	2
MU 506	Editing I	2	2	0	3
MU 507	Psychology (General Psychology)	2	0	0	2
Total		14	12	0	20
Semester-6 Elective: Production					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MU 601	Art of Directing I	2	2	0	3
MU 602	How to Run SME (Small Media Entity)	2	0	0	2
MU 603	Image Analysis	2	2	0	3
MU 604	Public Relations	2	0	0	2
MU 605	Filming Process	2	2	0	3
MU 606	Media Laws & Ethics	2	0	0	2
Total		12	6	0	15
Semester-7 Elective: Production					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MU 701	Filming	2	2	0	3
MU 702	Research Methodology	2	0	0	2
MU 703	Graduation Project I	0	0	4	4
MU 704	Video Production	2	2	0	3
MU 705	Script Writing	2	2	0	3
MU 706	Editing II	2	2	0	3
Total		10	8	4	18
Semester-8 Elective: Production					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MU 801	Graduate Project II	0	0	4	4
MU 802	Media Context	2	2	0	3
MU 803	Web Design	2	2	0	3
MU 804	Mechanism of Movement & Animation	0	0	0	3
Total		4	4	0	12

Faculty of Mass Communication

UGC's Faculty of Mass Communication emphasizes creativity and professional excellence in all fields within the media industry. We provide a pioneering program that transcends local language and culture to promote pluralism and diversity. Our academic curriculum and practical instruction is comprehensive and rigorous. By the time students graduate, they are fully trained and ready to work as skilled media professionals. Coupled with a firm foundation in the mass communication field, students are provided with a solid background in ethical, legal, philosophical, political, social and historical principles that enable them to interpret human affairs and communicate intelligently and effectively.

The Program offers a wide range of courses that provide the students with theoretical knowledge and practical skills that are critical in the workplace. In addition, the Mass Communication Program involves an internship which helps the students apply their knowledge to the real world and gain experience.

The Department has state-of-the-art facilities including digital studios, Internet and multimedia labs and photography labs. The students also enjoy full-service library facilities including access to many electronic resources and databases.

Graduates of the Department have a wide range of employment and career opportunities available to them, including publishing, broadcasting, TV and radio production, public relations, marketing, and digital technologies.

Departments

Bachelors:

- Journalism and Publication
- Radio and Television
- Public Relations
- Marketing Communications and Advertisement

Diploma:

- Public Relations

Vision:

The Mass Communication Program will be recognized as a regional and national leader in preparing undergraduate students for successful media and media - related careers. Through curricular, Co-curricular, and extra - curricular activities, the Program will help students build a board understanding of the role of our discipline in society. A multidisciplinary approach will provide students with a well- rounded understanding of the mass media while allowing for the acquisition of an in-depth understanding of at least one area of specialization.

Mission:

The mission the faculty is to graduate responsible citizens who can serve their community in the field of mass media and represent their country abroad.

- To maintain the highest standards of academic excellence, by creating an intellectually challenging environment that stimulates critical thinking and broadens understanding of the role and responsibilities of media professionals in a diverse society.
- To Maintain a supportive, concerned relationship with students.
- Establish and maintain a visible presence at professional meetings, conferences and competitions, and fill leadership roles in professional organizations.

Strategic Objectives:

- Developing studies system and programs to meet the requirements of the benchmark for media studies sector.
- Developing of the studies system and programs.
- To comply with the requirements of the local accreditation through the national institution for accreditation and quality assurance.
- Provide an understanding of the importance of personal and mediated intercultural interaction as an avenue to succeed in a multicultural society.

Semester-1 Core Courses					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
	English Language I				2
	Religious Studies I				2
	Arabic Language I				2
	Sudanese Studies I				2
	Introduction to Computer Science I				3
	Introduction to Communication Science I				3
	Communication Skills				
	History of Sudanese Media				
Total					
Semester-2 Core Courses					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
	English Language II				2
	Religious Studies II				2
	Arabic Language II				2
	Sudanese Studies II				2
	Introduction to Computer Science II				3
	Introduction to Communication Science II				2
	Art of Photography I				2
	Introduction to Mass Media				3
	Introduction to Marketing				
Total					
Semester-3 Core Courses					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
	English Language III				2
	Religious Studies III				2
	Arabic Language III				2
	Sudanese Studies III				2
	Art of Photography II				3
	Introduction to Public Relations and Advertising I				2
	Introduction to Radio and TV				2
	Introduction to Info. Science & Documentation				2
	Introduction to Psychology				2
Total					
Semester-4 Core Courses					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
	Communication Theories				2
	Editing I				3
	Communication Technology				3
	Basics of Multimedia I				3
	Electronic Photography I				3

	Public Opinion and Propaganda				2
Total					
Semester-5 Core Courses					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
	Public Relations and Advertising II				3
	Media Laws and Ethics				2
	Basics of Multimedia II				3
	Arabic Language for Information Purpose				2
	News and News Programs (Radio and TV)				3
	Electronic Photography II				3
	International Communication				2
Total					

Semester-6 Electives: Public Relations					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
	Public Relations in Sudan				3
	Public Relations and Mental Image				2
	Public Relations Planning and Evaluation				3
	Public Relations Marketing				3
	Public Relations in Industrial and Non Profit Org.				4
	Writing Public Relations				3
	Public Relations and Development				
Total					

Semester-7 Electives: Public Relations					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
	Organizational Communication				2
	Planning & Managing Public Relation Campaigns				3
	Public Relation Research				3
	Crisis Management				3
	Relations with Organization Publics				3
	Governmental and Private Organizations PR				2
	PR Communication Styles				3
	Graduation Research				4
Total					

Semester-8 Electives: Public Relations					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
	International Public Relations				2
	Protocol and Government Relations				3
	Print and Broadcast Production				3
	Public Relations Media				3
	Election Campaigns Design				3

	Websites Design				3
	Applications of Public Relations				3
	Graduation Research				4
Total					

Semester-6 Electives: Press and Publishing					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
	History of Sudanese Press				2
	Editing II				3
	Basics of Press Design and Production				3
	Press Advertising Art				3
	Introduction to Electronic Publishing				3
	Press Photography				3
	Press Information Systems				3
Total					

Semester-7 Electives: Press and Publishing					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
	Press Translation				3
	Electronic Press				3
	Specialized Press				3
	Press Research				3
	Visual Communication				3
	Writing for Press				3
	Styles of Writing for Website				3
	Graduation Research				4
Total					

Semester-8 Electives: Press and Publishing					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
	Computer and Internet Communication				3
	Press Crisis Management				3
	Press Campaigns Planning				3
	Electronic Publishing Application				3
	Magazines				3
	Multimedia Press				3
	Graduation Research				4
Total					

Semester-6 Electives: Broadcasting (Radio and TV)					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
	Broadcast Drama Production				3
	Broadcast News				3
	Art of Diction				3
	Art of Broadcast Deluge				3
	Broadcast Technology (Radio and TV)				3
	Live Events Coverage				3
	TV Press				3
	Writing for Radio and TV				3
Total					
Semester-7 Electives: Broadcasting (Radio and TV)					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
	Basics of Scenario Writing (TV)				3
	Audience Survey				3
	Radio and TV Program Planning				3
	Broadcast Production				3
	News and Deluges Programs				3
	Corresponding Art				3
	Graduation Project				4
Total					
Semester-8 Electives: Broadcasting (Radio and TV)					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
	MC Studio Techniques				3
	Broadcasting Techniques				3
	Features Programs Production				3
	Programs Applications				3
	Design and Montage Programs				3
	Broadcasting Production				3
	TV Advertising				3
	Graduation Project				4
Total					

Semester-6 Electives: Marketing Communication Advertising					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
	New Marketing Concept				3
	Advertising Communication				3
	Industrial Products Marketing				3
	Psychological Bases of Advertising				3
	Consumer Behavior				2
	Service Marketing				3
	International Marketing				2
	Export Marketing and Management				2
Total					
Semester-7 Electives: Marketing Communication Advertising					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
	Integrated Marketing Communication				3
	Marketing and Advertising Research				3
	Advertising Management				2
	Sales Skills and Sales Management				3
	Advertising Media				3
	Planning and Advertising Campaigns Planning				3
	Strategic Marketing Administration				3
	Graduation Research				2
Total					
Semester-8 Electives: Marketing Communication Advertising					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
	Computer Application in Marketing and Sales				3
	The Art of Advertising Copy Writing and Design				3
	Export and E-Commerce				3
	Advertising Agencies				3
	On Profit Organization Marketing				2
	Marketing Issues				3
	International Advertising				3
	Graduation Project				4
Total					

Diploma:

Public Relations:

لوحة المنهج

الفصل الدراسي الاول

الساعات المعتمدة	عدد الساعات الأسبوعية			اسم المقرر (عربي/إنجليزي)	رمز المقرر
	نظري	متابعة	عملي		
2	-	-	2	اللغة العربية I Arabic Language I	101 ع أت
2	-	-	2	اللغة الإنجليزية I English Language I	103 ع أت
2	-	-	2	الثقافة الإسلامية I Islamic Culture I	105 ع أت
2	-	-	2	الدراسات السودانية I Sudanese Studies I	107 ع أت
2	3	-	1	مدخل لعلم الحاسوب Introduction to Computer Science	109 ع أت
2	-	1	2	مدخل علم الإتصال Introduction to Communication Science I	111 ع أت
2	-	1	2	مدخل العلاقات العامة Introduction to Public Relations	113 ع أت
2	-	1	2	مدخل لعلم الصحافة Introduction to Journalism	115 ع. أت
16	3	4	16		المجموع

الفصل الدراسي الثاني:

الساعات المعتمدة	عدد الساعات الأسبوعية			اسم المقرر (عربي/إنجليزي)	رمز المقرر
	نظري	متابعة	عملي		
2	-	-	2	اللغة العربية II Arabic Language II	102 ع أت
2	-	-	2	اللغة الإنجليزية II II English Language	104 ع أت
2	-	-	2	الثقافة الإسلامية II II Islamic Culture II	106 ع أت
2	2	1	1	الترجمة الاعلامية Media Translation	112 ع أت
2	2	1	1	أساسيات الوسائط المتعددة I I Basics of Multimedia I	114 ع أت
2	-	1	2	مهارات التفاوض والاقناع Negotiation and persuasion Skills	116 ع أت

3	2	1	1	Art of photography فن التصوير الفوتوغرافي	118ع أت
15	6	4	11		المجموع

الفصل الدراسي الثالث:

الساعات المعتمدة	عدد الساعات الاسبوعية			اسم المقرر (عربي/إنجليزي)	رمز المقرر
	نظري	متابعة	عملي		
2	-	-	2	Public Opinion الرأي العام	201ع أت
2	-	-	2	Communication Theories نظريات الاتصال	203ع ات
2	-	-	2	Introduction to Social Psychology مدخل علم النفس الاجتماعي	205ع ات
2	2	1	1	Information Science & Documentation علم المعلومات والتوثيق	207ع ات
2	-	-	2	Media Laws and التثريعات الاعلامية و القيم الاخلاقية	209ع ات
2	-	1	2	Developmental Communication الاتصال والتنمية	211ع ات
2	-	1	2	Crisis Management إدارة الأزمات	213ع أت
2	3	1	1	Basics of Multimedia II اساسيات الوسائط المتعددة	215ع ات
16	5	4	14		المجموع

الفصل الدراسي الرابع:

الساعات المعتمدة	عدد الساعات الاسبوعية			اسم المقرر (عربي/إنجليزي)	رمز المقرر
	نظري	متابعة	عملي		
2	-	-	2	Public Relations and Marketing العلاقات العامة والتسويق	202ع ات
2	-	-	2	Organizational Communication الاتصال التنظيمي	204ع ات
2	3	-	1	Editing and production of public Relations Materials تحرير ونتاج مواد العلاقات العامة	206ع ات
3	2	-	2	Public Relations Research بحوث العلاقات العامة	208ع ات
2	3	-	1	And internet public relations العلاقات العامة وتطبيقات الانترنت	210ع ات
2	2	1	2	تخطيط وتقييم حملات العلاقات العامة Planning and Evaluation of public	212ع ات

				<u>relations</u>	
2	3	1	1	التصوير الإلكتروني Electronic Photography	ع 214 أ ت
15	13	2	11		المجموع

الفصل الدراسي الخامس:

الساعات المعتمدة	عدد الساعات الاسبوعية			اسم المقرر (عربي/إنجليزي)	رمز المقرر
	نظري	متابعة	عملي		
2	3	1	1	تخطيط و ادارة الحملات الاعلانية Planning and managing advertising campaigns	ع 301 أ ت
2	3	-	1	طرائق البحث Methods Research	ع 303 أ ت
2	3	1	1	كتابة وتصميم الاعلان Advertising copy writing and designing	ع 305 أ ت
2	3	1	1	التصميم الجرافيكي Graphic Design	ع 307 أ ت
2	3	1	1	مهارات العرض والتقديم Presentation Skills	ع 309 أ ت
2	3	1	1	تصميم المواقع الالكترونية Web Site Design	ع 311 أ ت
12	18	6	7		المجموع

الفصل الدراسي السادس:

الساعات المعتمدة	عدد الساعات الاسبوعية			اسم المقرر (عربي/إنجليزي)	رمز المقرر
	نظري	متابعة	عملي		
2	-	-	2	العلاقات العامة الدولية International Public Relations	ع 302 أ ت
3	2	1	2	المراسم والبروتوكول Protocol and Ceremonies	ع 304 أ ت
2	3	1	1	اعداد وانتاج المواد الاذاعية Broadcasting Materials Production	ع 306 أ ت
2	3	1	1	تنظيم المناسبات الخاصة special events organizing	ع 308 أ ت
2	3	1	1	تطبيقات عملية في العلاقات العامة Public Relations application	ع 310 أ ت
3	6	-	-	مشروع التخرج Graduation Project	ع 312 أ ت
14	17	4	7		المجموع

Faculty of Economics and Management

The Department of Business Administration at University of Garden City offers a program of study leading to the Bachelor of Science (Honors) Degree in Business Administration, with options for further specialized study in one of three other applied fields. The specialized options presently available are: (1) Marketing Management, (2) Management Information Systems, (3) Finance Management and Accounting, and (4) Business Administration.

The curriculum of the degree is designed so as to equip the students with full knowledge and understanding of business management at the general level as well as at the four specialized levels, to fully grasp the concepts and technical terms employed in the field of business management, and to acquire the variety of skills and technologies currently applied in business decision making and in the analysis of business environment (economic, social and legal).

As such, the ultimate mission of the B.Sc. (Honors) Program at Department of Management Sciences UGC, is to put its students in the right track to a successful career in business management and avail them full opportunity to become competent professionals as well as accomplished leaders in business management. The Program also endeavors to prepare high performing students for successful performance in higher education in their respective fields of specialization.

Departments:

Bachelors:

- Business Management
- Marketing
- Management Information Systems
- Financial Accounting

Diploma

- Marketing

Vision:

The Faculty of Economics and Management is determined to reach the leadership position in shaping the education and practice in the fields of management economics, accounting, and marketing at the local, regional, and international levels.

Mission:

The Mission is stated as below:

- Providing its graduates with knowledge, skills, and values that enable them to actively integrate these attributes into their professional careers.

- Empowering faculty to produce a balanced mix of basic and applied research that would enrich the advancement of knowledge and provide creative solutions to problems that exist in national business and governmental sectors.
- Increasing the contributions of faculty, staff, and students to the enrichment of the common good of civil societies, business firms, and governmental agencies at the local and national levels. This is accomplished by offering various customized research, consultation and faculty and student led training programs that cater to each group needs

Objectives:

- Equip students with the necessary knowledge for ensuring their effective performance in the rapidly changing business environment.
- Assist in creating a pool of potential managers who possess the proper skills to run profit-making as well as non-profit enterprises.
- Avail the students a broad analytical and integrated study of business management, marketing management, management information systems, and accounting and finance.
- Prepare student to positively interact with both academic and business communities.
- Prepare students for problem solving in business, Marketing, Management Information Systems, and Accounting and Finances; and for the use of quantitative (in addition to qualitative) techniques in problem analysis.
- Sustain students' capacity building by instilling in them the spirit of persistent self-learning as complementary to classroom learning, especially through cyber education / e-learning.
- Stress the "creation of managers" as an ultimate objective. The mix of skills
- Training encompassed in the program is designed to precisely serve that purpose.

Core Values:

The Faculty of Economics and Management is committed to developing leaders who are noble in character, ethical in conduct, and serve with knowledge to make a difference to the society they live in.

Semester-1 Core Courses					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CC 101	Introduction to Social Science				3
CC 103	Business Mathematics				3
CC 105	English Language				3
CC 107	Arabic Language				3
CC 109	Religious Studies I				3
CC 111	Principles of Management I				3
CC 113	Sudanese Studies I				3
Total					21
Semester-2 Core Courses					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CC 202	Principles of Management II				3
CC 204	Principles of Accounting				3
CC 206	Principles of Economics				3
CC 208	Business English				3
CC 210	Arabic Language II				3
CC 212	Religious Studies II				3
CC 214	Introduction to Computer				3
CC 216	Sudanese Studies II				3
Total					24
Semester-3 Core Courses					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CC 301	Principles of Marketing				3
CC 303	English Business Communication I				3
CC 305	Microeconomics				3
CC 307	Business Communications				3
CC 309	Computer Applications in Business I				3
CC 311	Cost Accounting				3
Total					18
Semester-4 Core Courses					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CC 402	Managerial Economics				3
CC 404	Marketing Management				3
CC 406	Business Statistics				3
CC 408	English Business Communication II				3
CC 410	Financial Institutions				3
CC 412	Computer Application in Business II				3
Total					18

Semester-5 Electives: Business Administration					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CC-BA-501	Quantitative Techniques in Management				3
CC-BA-503	Organizational Behavior				3
CC-BA-505	Sudan Economy				3
CC-BA-507	Financial Management				3
CC-BA-509	Leadership				3
CC-BA-511	Corporate Social Responsibility				3
Total					18
Semester-6 Electives: Business Administration					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CC-BA-602	Operations Management				3
CC-BA-604	Business Law				3
CC-BA-606	Inductive Statistics				3
CC-BA-608	Managerial Accounting				3
CC-BA-610	Small Business Management				3
CC-BA-612	Project Management				3
Total					18
Semester-7 Electives: Business Administration					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CC-BA-701	Management Information System				3
CC-BA-703	Strategic Management I				3
CC-BA-705	Corporate Finance				3
CC-BA-707	Research Methods				3
CC-BA-709	Supply Chain Management				3
CC-BA-711	E-Business (E-Commerce)				3
Total					18
Semester-8 Electives: Business Administration					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CC-BA-802	Strategic Management II				3
CC-BA-804	Human Resource Management				3
CC-BA-806	Total Quality Management				3
CC-BA-808	International Business Management				3
CC-BA-810	Graduation Project				6
Total					18

Semester-5 Electives: Accounting and Finance					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CC-AF-501	Quantitative Techniques in Management				3
CC-AF-503	Organizational Behavior				3
CC-AF-505	Sudan Economy				3
CC-AF-507	Financial Management				3
CC-AF-509	Tax and Zakat Accounting				3
CC-AF-511	Intermediate Accounting I				3
Total					18
Semester-6 Electives: Accounting and Finance					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CC-AF-602	Operations Management				3
CC-AF-604	Business Law				3
CC-AF-606	Inductive Statistics				3
CC-AF-608	Managerial Accounting				3
CC-AF-610	Intermediate Accounting II				3
CC-AF-612	Government Accounting				3
Total					18
Semester-7 Electives: Accounting and Finance					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CC-AF-701	Management Information Systems				3
CC-AF-703	Strategic Management I				3
CC-AF-705	Corporate Finance				3
CC-AF-707	Research Methods				3
CC-AF-709	International Financial Management				3
CC-AF-711	Advanced Financial Accounting I				3
Total					18
Semester-8 Electives: Accounting and Finance					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CC-AF-802	Strategic Management II				3
CC-AF-804	Human Resource Management				3
CC-AF-806	Advanced Financial Accounting II				3
CC-AF-808	Accounting Theory				3
CC-AF-810	Auditing				3
CC-AF-812	Graduation Research Project				6
Total					21

Semester-5 Electives: Marketing					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CC-M-501	Quantitative Techniques in Management				3
CC-M-503	Computer Application				3
CC-M-505	Sudan Economy				3
CC-M-507	Financial Management				3
CC-M-509	Consumer Behavior				3
CC-M-511	E-Commerce				3
Total					18
Semester-6 Electives: Marketing					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CC-M-602	Operations Management				3
CC-M-604	Business Law				3
CC-M-606	Inductive Statistics				3
CC-M-608	Managerial Accounting				3
CC-M-610	Product and Brand Management				3
CC-M-612	Marketing Research and Market Information System				3
CC-M-614	International Marketing				3
Total					21
Semester-7 Electives: Marketing					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CC-M-701	Management Information Systems				3
CC-M-703	Strategic Management I				3
CC-M-705	Corporate Finance				3
CC-M-707	Research Methods				3
CC-M-709	Sales Promotion and Sales Management				3
CC-M-711	Relationship Marketing				3
CC-M-713	Strategic Marketing				3
Total					21
Semester-8 Electives: Marketing					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CC-M-802	Strategic Management II				3
CC-M-804	Human Resource Management				3
CC-M-806	Industrial Marketing				3
CC-M-808	Sales and Distribution Management				3
CC-M-810	Service Marketing				3
CC-M-812	Research Project				6
Total					21

Semester-5 Electives: Management Information Systems					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CC-MIS-501	Quantitative Techniques in Management				3
CC-MIS-503	Organizational Behavior				3
CC-MIS-505	Sudan Economy				3
CC-MIS-507	Financial Management				3
CC-MIS-509	E-Commerce				3
CC-MIS-511	Introduction to Database				3
Total					18
Semester-6 Electives: Management Information Systems					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CC-MIS-602	Operations Management				3
CC-MIS-604	Business Law				3
CC-MIS-606	Inductive Statistics				3
CC-MIS-608	Managerial Accounting				3
CC-MIS-610	Marketing Research and Market Information System				3
CC-MIS-612	Management Support Systems				3
Total					18
Semester-7 Electives: Management Information Systems					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CC-MIS-701	Management Information Systems				3
CC-MIS-703	Strategic Management I				3
CC-MIS-705	Corporate Finance				3
CC-MIS-707	Research Methods				3
CC-MIS-709	Telecommunications for Business				3
CC-MIS-711	Database Management Systems				3
Total					18
Semester-8 Electives: Management Information Systems					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CC-MIS-802	Strategic Management II				3
CC-MIS-804	Human Resource Management				3
CC-MIS-806	Security and Control of Information Systems				3
CC-MIS-808	Business Process Re-engineering				3
CC-MIS-810	System Analysis and Design				3
CC-MIS-812	Research Project				6
Total					21

Diploma: Marketing

الفصل الدر اسي الأول:

الساعات المعتمدة	عدد الساعات الأسبوعية			اسم المقرر	رمز المقرر
	نظري	متابعة	عملي		
2	-	-	2	الثقافة الإسلامية (1) Islamic Culture (1)	111 سلم
2	-	-	2	اللغة العربية (1) Arabic Language (1)	112 عرب
3	2	-	2	اللغة الإنجليزية (1) English Language (1)	113 نجم
3	2	-	2	مبادئ علوم الحاسب Principles of Computer Science	114 كمي
3	2	-	2	مبادئ الاقتصاد Principles of Economics	115 قصد
3	2	-	2	مبادئ المحاسبة والتمويل Principles of Accounting & Finance	116 حسب
16	8		12	مجموع الساعات	

الفصل الدراسي الثاني

الساعات المعتمدة	عدد الساعات الأسبوعية			اسم المقرر	رمز المقرر
	نظري	متابعة	عملي		
2	-	-	2	الثقافة الإسلامية Islamic Culture (2)	121 سلم
2	-	-	2	اللغة العربية (2) Arabic Language (2)	122 عرب
4	4	-	2	اللغة الإنجليزية (2) English Language (2)	123 نجم
4	4	-	2	الرياضيات Mathematics	Math124
4	4	-	2	تطبيقات الحاسوب Computer Applications	125 كمي
3	2	-	2	مبادئ التسويق Principles of Marketing	126 تسق
3	2	-	2	مبادئ الإدارة Principles of Management	127 دار
22	16		14	مجموع الساعات	

الفصل الدراسي الثالث

الساعات المعتمدة	عدد الساعات الأسبوعية			اسم المقرر	رمز المقرر
	نظري	متابعة	عملي		
3	2	-	2	الترويج والإعلان Promotion&Advertising	212 تسق

3	2	-	2	توزيع المنتجات Products & Distribution	تسق 213
2	-	-	2	القانون التجاري Commercial Law	215 نظم
2	-	-	2	دراسات سودانية Sudanese Studies	دار 216
3	2	-	2	الإتصالات التسويقية المتكاملة Integrated Marketing Communications	تسق 217
4	4	-	2	الإحصاء Statistics	Stat 217
17	10		12	مجموع الساعات	

الفصل الدراسي الرابع

الساعات المعتمدة	عدد الساعات الأسبوعية			اسم المقرر	رمز المقرر
	عملي	متابعة	نظري		
2	0	-	2	إدارة الموارد البشرية Human Resources Management	تسق 211
3	2	-	2	الإدارة المالية Financial Management	مال 212
2	0	-	2	سياسات تسعير Products Prices Policy المنتجات	تسق 213
3	2	-	2	إدارة سلسلة الإمدادات Supply Chain Management	تسق 214
3	2	-	2	مناهج البحث العلمي Research Methods	تسق 215
2	-	-	2	مبادئ علم النفس Principles of Psychology	تسق 216
3	2	-	2	إدارة المنتج والعلامات التجارية Product Management & Brands	تسق 214
18	8		14	مجموع الساعات	

الفصل الدراسي الخامس

الساعات المعتمدة	عدد الساعات الأسبوعية			اسم المقرر	رمز المقرر
	عملي	متابعة	نظري		
3	2	-	2	التسويق الدولي (العالمي) International Marketing	تسق 311
3	2	-	2	بحوث التسويق Marketing Research	تسق 312
3	2	-	2	تسويق الخدمات Marketing of Services	تسق 313
3	2	-	2	سلوك المستهلك	تسق 314

				Consumer Behavior	
2	0	-	2	Total Quality Management إدارة الجودة الشاملة	315 تسق
3	2	-	2	Marketing Information system نظم المعلومات التسويقية	316 تسق
17	10		12	مجموع الساعات	

الفصل الدراسي السادس

الساعات المعتمدة	عدد الساعات الأسبوعية			اسم المقرر	رمز المقرر
	عملي	متابعة	نظري		
2	4	-	-	مشروع التخرج Research Project	321 تسق
3	2	-	2	التسويق الإستراتيجي Strategic Marketing	322 تسق
3	2	-	2	التسويق الإلكتروني E- Marketing	323 تسق
3	2	-	2	قضايا معاصرة في التسويق Contemporary Issues in Marketing	324 تسق
2	4	-	-	التدريب العملي لطلبة التسويق Students Training	325 تسق
13	14		6	مجموع الساعات	

Faculty of Computer Studies and Information Technology

Computing studies is a collective name given to a number of different, but related disciplines all centering on digital computations and their influence upon man. A common misconception about computing studies is that it is a purely applied field and that it is a service-oriented field, one that aims to serve other disciplines. In fact, computing studies covers both deep and theoretical fundamental knowledge, and technology-oriented and applied knowledge. It thus covers a continuum from purely theoretical and fundamental studies of natural phenomena related to computation to the use of computer technology to solve practical problems of applied nature.

The faculty of Computer studies & Information Technology at UGC offers a balanced programme in computing that covers both the theoretical aspects and its applied side. Because of its balanced coverage, the degree offered bears the title: Bachelor of Science (honors) in Computer Studies and Information Technology. It aims at graduating students who have the necessary practical skills that allow them to apply the latest technologies to develop practical applications and the requisite foundations and theoretical background of computer science that allows them to have a clear understanding of the field. Such understanding will help them in extending their practical skills on solid grounds.

Vision

The Faculty of Computer Studies and Information Technology aims for an international leadership with regional depth.

Mission

To graduate knowledgeable graduates capable of delivering the highest level of performance, committing to professional excellence, and ethical conduct. And to participate in the social development on scientific, environmental, and social levels, through scientific research and collaboration with the industry.

Objectives

1. To graduate students with up-to-date knowledge and skills.
2. To conduct appropriate and comprehensive researches that both enrich the knowledge and enhance the society.
3. To collaborate with the industry in order to perfect our students' skills, widen the scope of research, and serve the community.
4. To serve the community through our students, our graduates and our staff.

Values

1. Transparency.
2. Integrity.
3. Professional excellence.
4. Innovation and creativity.

Semester-1					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CS 301	Programming Techniques I	2	0	2	3
IS 301	Computer Skills	2	0	2	3
MS 302	Mathematics (Calculus)	2	2	0	3
HS 209	Communication Skills	2	0	0	2
HS 213	Fundamentals of Economics	2	0	0	2
HS 201	Arabic Language I	3	0	0	3
HS 206	Islamic Culture I	3	0	0	3
HS 214	Sudanese Studies I	3	0	0	3
HS 203	English Language I	2	0	0	2
Total					24
Semester-2					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
IT 300	Introduction to Information Technology	2	0	0	2
IT 301	Internet Technology I	2	0	0	3
CS 302	Programming Techniques I	2	0	2	3
HS 207	Islamic Culture II	3	0	0	3
MS 301	Discrete Mathematics	2	2	0	3
HS 211	Fundamentals of Management	2	0	0	2
HS 202	Arabic Language II	3	0	0	3
HS 204	English Language II	2	0	0	2
HS 215	Sudanese Studies II	3	0	0	3
Total					24
Semester-3					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CE 301	Logic Circuits Design	2	2	0	3
CS 303	Database Concepts	2	0	2	3
IT 303	Computer Networks	2	0	2	3
MS 307	Algebra and Analytic Geometry	2	0	0	3
IS 202	Fundamentals of Information System	2	0	0	2
MS 305	Statistic and Probabilities I	2	0	0	3
HS 208	Computer Ethics	2	0	0	2
HS 205	English Language III	2	0	0	2
HS 212	Fundamentals of Accounting	2	0	0	2
Total					23
Semester-4					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
IS 304	System Analysis and Design I	2	0	0	2
IS 308	Information System Management	2	0	0	2
CS 304	Data Structure and Algorithms	2	0	2	3
IT 306	Multimedia	2	0	2	3
IT 302	Internet Technology II	2	0	2	3
IT 311	Information Technology Management	2	0	2	3
MS 306	Statistics and Probability II	2	0	2	3

HS 216	Financial Foundations Management	2	0	0	2
Total					21
Semester-5					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
IT 304	Computer Networks and Communication	2	0	2	3
IS 305	System Analysis and Design II	2	0	2	3
SE 201	Introduction to Software Engineering	2	0	0	2
CE 303	Computer Maintenance	2	0	2	3
CS 305	Operating Systems	2	0	2	3
CS 310	Visual Programming	2	0	2	3
IT 305	Database Applications	2	0	2	3
MS 304	Operations Research	2	2	0	3
Total					23
Semester-6					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
IT 308	Data Mining	2	0	2	3
IT 355	Web Programming (Elective Course)	2	0	2	3
IS 203	Decision Support System	2	0	0	2
CS 306	Simulation and Modeling	2	0	2	3
CS 309	Object Oriented Programming	2	0	2	3
CE 302	Computer Architecture	2	0	2	3
IS 307	Information Security	2	0	2	3
HS 210	Research Methods	2	0	0	2
Total					22
Semester-7					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
IT 353	Network Security (Elective Course)	2	0	2	3
IT 307	Wireless Networks and Mobile	2	0	2	3
IT 309	Electronic Learning	2	0	2	3
CS 308	Human Computer Interaction	2	0	2	3
SE 302	Software Requirement Engineering	2	0	0	3
IT 354	Advance Database Applications (Elective Course)	2	0	2	3
Total					18
Semester-8					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
IS 306	Electronic Commerce	2	0	2	3
IT 310	Modern Information Technology	2	0	2	3
IT 351	Server Management Networks (Elective Course)	2	0	2	3
IT 312	Electronic Government	2	0	0	3
CS 307	Artificial Intelligence	2	0	2	3
IT 356	Selected Topics in Information Technology I	2	0	2	3
IT 313	Project	0	0	6	6
Total					24

Faculty of Medicine

What first comes to mind when you hear the words “Faculty of Medicine”? Perhaps it’s the figure of a doctor wearing a white coat and holding a stethoscope. Or maybe you think of researchers shaking test tubes around in a laboratory. In actuality, the field of medical science spans far beyond these perceptions, covering an extremely wide range of topics. Medical science as an academic discipline is ultimately concerned with using scientific research methods to treat illnesses contracted by, and contribute to the overall health of, human beings. In order to fulfill these objectives, areas addressed in medical science range from those on molecular and cellular levels to internal organ and individual person levels, all the way to topics that involve society or the world as a whole.

A large portion of studies in the Faculty of Medicine is concerned with clinical medicine. The majority of students in this Faculty, in fact, aim to become clinical doctors. The ultimate subject of all studies in clinical medicine comes down to one human being: the patient. Of course, clinical doctors must possess knowledge of the human body on a molecular level as well as an advanced understanding of organs. Just as important, however, is being constantly aware of the fact that the subject of one’s studies or treatments is a human being with a personality and is therefore not all that different from you. A clinical doctor’s responsibility is to take a patient, who is a human being just like herself or himself and help them to recover from whatever illness or disease that is affecting them. Advancements in the field of medical science are continuously being made, and the high level of knowledge and latest techniques gained from these advancements contribute greatly to helping patients recover from illnesses. Utilizing these new techniques and expert knowledge for the sake of helping patients is what brings clinical doctors the most joy. Nevertheless, illnesses, as explained later, at times become so overbearing that they control our fates, leaving medical science powerless to do anything to treat or prevent them. In such cases, we identify the mechanisms of these illnesses and develop new methods of treatment for them. By doing so, we can be prepared to fight against these illnesses when they appear again in future patients. However, this process is by no means successful every time. As fellow human beings who share the same eventual fate of death, it must be said that one of a clinical doctor’s duties is to protect the dignity of their patients.

Vision

Is to be a key partner in medical education and health with the Federal and State Ministries of Health , charitable and private organizations and other relevant sectors for the promotion of community health and continuous professional development.

Mission

Is to be a key partner in medical education and health with the Federal and State Ministries of Health, charitable and private organizations and other relevant sectors for the promotion of community health and continuous professional development.

Objectives

Across the continuum of undergraduate and continuing education supporting all healthcare professionals as lifelong learners. The medical curriculum includes all levels of objectives, all forms of content, all mechanisms of delivery, and all individual and group assessments that are organized to achieve the educational outcomes.

The curriculum of the school will aim at graduating doctors with up to date knowledge on medicine and medical practice who will be capable to deal with the community and meet its demands. As well, they will be capable of navigating their way in post-graduate studies.

Core Values

- Integrity/Transparency:
- Respect:
- Collaboration/Generosity/Partnership:
- Student Friendly:
- Social Accountability:
- Best Practices:
- Quality:
- Innovation:
- Communication:
- Lifelong Learning:

Semester-1					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MED 101	Computer Science and Biostatistics				4
MED 102	Basics of Psychology				2
MED 103	Biochemistry				4
MED 104	Introduction to Medicine and Medical Education				2
MED 105	Basic Medical Physics				2
Total					14
Semester-2					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MED 201	General Histology				2
MED 202	Growth and Development				5
MED 203	Human Physiology and Environment				5
MED 204	Molecular Biology and Genetics				2
Total					14
Semester-3					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MED 301	Doctor and His Society				3
MED 302	Nutrition and Nutritional Diseases				5
MED 303	Principles of Disease				8
MED 304	Field Training and Research				4
Total					20
Semester-4					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MED 401	Blood, Lymph, Immune System and Their Diseases				4
MED 402	Cardiopulmonary System I				5
MED 403	Problems of Musculoskeletal System				7
MED 404	Professional and Basic Skills				2
MED 405	Primary Healthcare Health Centre Practice and Family Medicine Phase I				3
Total					21
Semester-5					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MED 501	Cardiopulmonary System II				5
MED 502	Endocrine and Metabolism				6
MED 503	Problems of GIT System I				5
MED 504	Problems of GIT System II				4
MED 505	Basics of Pharmacology, Therapeutics and Herbal Medicine				3
MED 506	Primary Healthcare Health Centre Practice and Family Medicine Phase II				3
Total					26

Semester-6						
Code	Course Title	Contact Hrs.			Credit Hrs.	
		L	T	P		
MED 601	Endemic and Tropical Diseases				3	
MED 602	Nervous System and Spinal Senses				9	
MED 603	Problems of the Genitourinary System				9	
MED 604	Primary Healthcare Health Centre Practice and Family Medicine Phase III				3	
Total					24	
Semester-7						
Code	Course Title	Contact Hrs.			Credit Hrs.	
		L	T	P		
MED 701	Internal Medicine Clerkship				18	
MED 702	Rural Residency				4	
MED 703	Primary Healthcare Health Centre Practice and Family Medicine Phase IV				3	
Total					25	
Semester-8						
Code	Course Title	Contact Hrs.			Credit Hrs.	
		L	T	P		
MED 801	Surgical Clerkship				12	
MED 802	Ophthalmology				3	
MED 803	Ear, Nose and Throat (ENT)				3	
Total					18	
Semester-9						
Code	Course Title	Contact Hrs.			Credit Hrs.	
		L	T	P		
MED 901	Obstetrics and Gynecology				13	
MED 902	Psychiatry				4	
MED 903	Primary Health Care				4	
Total					21	
Semester-10						
Code	Course Title	Contact Hrs.			Credit Hrs.	
		L	T	P		
MED 1001	Pediatrics and Child Health				13	
MED 1002	Forensic Medicine				4	
MED 1003	Graduation Research				4	
Total					21	

Faculty of Medical Laboratory Science

University of Garden City was established 2003 as a university college, then upgraded to a university in 2015. The university offered B.Sc. (Honors) in different field, including Architecture, Electronics and Computer, Information Technology, Economics and Communications. The Medical Laboratory Science (MLS) (Honors) Program at Garden City University (GCU) is designed to prepare cadre for direct employment in a medical laboratory field. The program is structured primarily as on-site requirements to offer students flexibility to earn their B.Sc. Degree on a full-time basis. The courses of the program were designated to provide student with the latest aspects of laboratory medicine. This program is consisting of eight (8) semesters (Four years). The first six (6) semesters are general for all students. The last two (2) semesters are designed for specialization. Successful fulfillment of the program leads to the award of B.Sc. (Honors) MLS in one of the five disciplines (Histopathology and Cytology, Clinical Chemistry, Parasitology & Medical Entomology, Microbiology, Hematology & Immunohematology). The total number of credit hours for completion of the MLS program is 174.

Vision:

A leading and distinguished faculty, locally, regionally and internationally, to provide academic services within a caring environment.

Mission:

The program is committed to graduate skilled medical laboratory scientist.

Objectives:

- To graduate competent Medical Laboratory Scientists.
- To meet the current standards of the MLS in Sudan.
- To give student the necessary academic and technical skills in all areas of MLS.
- To provide students with the proper clinical experience in all areas of MLS.
- To develop in students, the professional attitudes and ethics required of ML scientists
- To provide the community served by the program with graduate Medical laboratory scientists who can assume leadership roles as health professionals.

Core Values:

- Excellence
- Respect
- Integrity
- Diversity
- Cooperation

Semester-1					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
ARB 111	Arabic Language I	3	0	0	3
ENG 112	English Language I	3	0	0	3
ISL 113	Islamic Culture I	3	0	0	3
BIO 114	Biochemistry I	2	0	3	3
MLS 115	Introduction to MLS	2	0	0	2
CHM 116	General Chemistry	2	0	3	3
PHS 117	General Physics	2	0	3	3
BIO 118	Cell Biology	2	0	3	3
Total		19	0	12	23
Semester-2					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
ARB 121	Arabic Language II	3	0	0	3
ENG 122	English Language II	3	0	0	3
ISL 123	Islamic Culture II	3	0	0	3
BIO 124	Biochemistry II	2	0	3	3
MIC 125	Microscopy	2	0	3	3
ANA 126	Anatomy	2	0	2	3
LAS 127	Laboratory Safety	2	0	0	2
PHY 128	Physiology	2	0	0	2
Total		19	0	8	22
Semester-3					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MIC 231	Basic Microbiology I	2	0	3	3
HEM 232	Basic of Hematology I	2	0	3	3
CCH 233	Basic Chemistry Techniques	2	0	3	3
HIS 234	Basic Histopathology Techniques I	2	0	3	3
HIS 235	General Pathology	2	0	2	3
PRA 236	Basic Medical Protozoology	2	0	3	3
IMU 237	Basic Immunology	2	0	2	3
COM 238	Computer Science	2	0	3	3
Total		16	0	22	24
Semester-4					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MIC 241	Basic of Microbiology II	2	0	3	3
HEM 242	Basic of Hematology II	2	0	3	3
CCH 243	Metabolic Disorders	2	0	3	3
HIS 244	Histology	2	0	3	3
PRA 245	Basic Medical Entomology	2	0	3	3

IMU 246	Clinical Immunology	2	0	2	3
SUD 147	Sudanese Studies	2	0	0	2
Total		14	0	17	20
Semester-5					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MIC 351	Medical Microbiology I	2	0	3	3
HEM 352	Pathology of Red Blood Cells	2	0	3	3
CCH 353	Renal Pathophysiology	2	0	3	3
HIS 354	Histopathology Techniques II	2	0	3	3
PRA 355	Medical Helminthology	2	0	3	3
GEN 356	Clinical Genetics	2	0	3	3
MOL 357	Basics of Molecular Biology	2	0	2	3
Total		14	0	20	21
Semester-6					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MIC 361	Medical Microbiology II	2	0	3	3
HEM 362	Pathology of White Blood Cells	2	0	3	3
CCH 363	Pathophysiology of Liver and Gastrointestinal Tract	2	0	3	3
HIS 364	Cytology	2	0	3	3
PRA 365	Medical Helminthology II	2	0	3	3
AND 366	Antimicrobial Drugs	2	0	3	3
MOL 367	Molecular Biology	2	0	3	3
Total		14	0	21	21

Specialization: Histopathology and Cytology

Semester-7					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
HIS 471	Enzyme and Immunohistochemistry	2	0	3	3
HIS 472	Cytopathology	2	0	3	3
STA 473	Biostatistics	2	2	0	3
RES 474	Research Methods	2	2	0	3
INS 475	Instrumentation	2	0	3	3
LAM 476	Laboratory Management	2	0	0	2
IST 477	In-Service Training	0	0	6	3
GRP 478	Graduation Project	0	0	4	0
Total		12	4	19	20
Semester-8					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
HIS 481	Advanced Techniques in Histopathology	2	0	3	3
HIS 482	Cytogenetic	2	0	3	3

EPI 483	Epidemiology	2	2	0	3
ETH 484	Professional Ethics	2	0	0	2
QUA 485	Quality Assurance	2	2	0	3
CHL 486	Community Health	2	0	0	2
IST 487	In-Service Training	0	0	6	3
GRP 488	Graduation Project	0	0	4	4
Total		12	4	16	23

Specialization: Parasitology and Medical Entomology

Semester-7					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
PRA 471	Medical Entomology	2	0	3	3
PRA 472	Immunoparasitology	2	0	3	3
STA 473	Biostatistics	2	2	0	3
RES 474	Research Methods	2	2	0	3
INS 475	Instrumentation	2	0	3	3
LAM 476	Laboratory Management	2	0	0	2
IST 477	In-Service Training	0	0	6	3
GRP 478	Graduation Project	0	0	4	0
Total		12	4	19	20
Semester-8					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
PRA 481	Systemic Parasitology	2	0	3	3
PRA 482	Diagnostic Parasitology	2	0	3	3
EPI 483	Epidemiology	2	2	0	3
ETH 484	Professional Ethics	2	0	0	2
QUA 485	Quality Assurance	2	2	0	3
CHL 486	Community Health	2	0	0	2
IST 487	In-Service Training	0	0	6	3
GRP 488	Graduation Project	0	0	4	4
Total		12	4	16	23

Specialization: Medical Microbiology

Semester-7					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MIC 471	Systemic Bacteriology I	2	0	3	3
MIC 722	Medical Mycology	2	0	3	3
STA 473	Biostatistics	2	2	0	3

RES 474	Research Methods	2	2	0	3
INS 475	Instrumentation	2	0	3	3
LAM 476	Laboratory Management	2	0	0	2
IST 477	In-Service Training	0	0	6	3
GRP 478	Graduation Project	0	0	4	0
Total		12	4	19	20
Semester-8					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MIC 481	System Bacteriology II	2	0	3	3
MIC 482	Medical Virology	2	0	3	3
EPI 483	Epidemiology	2	2	0	3
ETH 483	Professional Ethics	2	0	0	2
QUA 484	Quality Assurance	2	2	0	3
CHL 485	Community Health	2	0	0	2
IST 486	In-Service Training	0	0	6	3
GRP 487	Graduation Project	0	0	4	4
Total		12	4	16	23

Specialization: Hematology and Immunohematology

Semester-7					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
HEM 471	Pathophysiology of RBCs	2	0	3	3
HEM 472	Advanced Blood Bank	2	0	3	3
STA 473	Biostatistics	2	2	0	3
RES 474	Research Methods	2	2	0	3
INS 475	Instrumentation	2	0	3	3
LAM 476	Laboratory Management	2	0	0	2
IST 477	In-Service Training	0	0	6	3
GRP 478	Graduation Project	0	0	4	0
Total		12	4	19	20
Semester-8					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
HEM 481	Pathophysiology of WBCs	2	0	3	3
HEM 482	Advanced Hemostasis	2	0	3	3
EPI 483	Epidemiology	2	2	0	3
ETH 484	Professional Ethics	2	0	0	2
QUA 485	Quality Assurance	2	2	0	3
CHL 486	Community Health	2	0	0	2
IST 487	In-Service Training	0	0	6	3
GRP 488	Graduation Project	0	0	4	4
Total		12	4	16	23

Specialization: Clinical Chemistry

Semester-7					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CHM 471	Clinical Enzymology and Genetic Diseases	2	0	3	3
CHM 472	Toxicology and Therapeutic Drug Monitoring	2	0	3	3
STA 473	Biostatistics	2	2	3	3
RES 474	Research Methods	2	2	3	3
INS 475	Instrumentation	2	0	3	3
LAM 476	Laboratory Management	2	0	2	2
IST 477	In-Service Training	0	0	3	3
GRP 478	Graduation Project	0	0	0	0
Total		12	4	19	20
Semester-8					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
CHM 481	Endocrinology	2	0	3	3
CHM 482	Tumor Markers	2	0	3	3
EPI 483	Epidemiology	2	2	0	3
ETH 484	Professional Ethics	2	0	0	2
QUA 485	Quality Assurance	2	2	0	3
CHL 486	Community Health	2	0	0	2
IST 487	In-Service Training	0	0	6	3
GRP 488	Graduation Project	0	0	4	4
Total		12	4	16	23

Faculty of Nursing Science

The mission of the Faculty of Nursing is to advance nursing knowledge and develop dynamic nurse leaders who improve the health of all people, emphasizing the underserved, rural, and diverse populations. UGC's nursing curriculum prepares professional nurses by providing a sound educational base for practice, graduate study, professional development, and professional and civic responsibility. Our task is to maintain academic learning, develop nursing science research and promote the implementation of research-based nursing care.

The nursing program serves as a resource for society through consultation, collaboration, advocacy and scholarship. Rapid changes in health care and technology require the nursing profession to continually expand its role. Employment forecasts predict an increasing demand for professional nurses.

Career opportunities for a nurse with a Bachelor of Science in Nursing (BSN) include positions in hospitals, schools, community agencies, the military, insurance companies, nursing homes, clinics, businesses and research settings. The curriculum is designed to promote learning and research, and to make maximum use of the facility's resources.

Vision:

The Faculty of Nursing Sciences is a national leader, positively impacting the health of society through excellence in nursing education, research, practice, and service.

Mission:

To advance nursing knowledge and develop dynamic nurse leaders who improve the health of all people, including underserved, rural, and diverse populations.

Objectives:

- Develop the liberally educated professional nurse who is prepared to practice in entry level positions in various settings;
- Provide a foundation for personal and professional development; and
- Provide a foundation for graduate study in nursing.

Core Values:

- Professionalism
- Caring
- Service
- Quality
- Social Justice
- Learning

Semester-1					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
NS 111	Fundamentals of Nursing I	2	0	9	5
NS 112	Ethics and Professionalism	2	0	0	2
NS 113	Anatomy	3	0	3	4
NS 114	Physiology	3	0	3	4
	Introduction to Computer Sciences	2	0	3	3
	English I	2	0	0	2
	Arabic Language I	2	0	0	2
	Islamic Studies I	2	0	0	2
Total					24
Semester-2					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
NS 121	Fundamentals of Nursing II	2	0	9	5
NS 122	Biochemistry	2	0	3	3
NS 123	Community Health I	3	0	0	3
NS 124	Nutrition	2	0	0	2
NS 125	Microbiology	2	0	3	3
	English II	2	0	0	2
	Arabic Language II	2	0	0	2
	Islamic Studies II	2	0	0	2
Total					22
Semester-3					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
NS 211	Pathology	2	0	0	2
NS 212	Adult Nursing (Medical) I	3	0	8	5
NS 213	Adult Nursing (Surgical) I	3	0	8	5
NS 214	Epidemiology	2	0	0	2
NS 215	Pharmacology	3	0	0	3
NS 216	English III	2	0	0	2
NS 217	Arabic Language III	2	0	0	2
NS 218	Islamic Studies III	2	0	0	2
Total					23
Semester-4					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
NS 221	Adult Nursing (Medical) II	3	0	8	5
NS 222	Adult Nursing (Surgical) II	3	0	8	5
NS 223	Diet Therapy	2	0	3	3
NS 224	Communication Skills	1	0	3	2
NS 225	Sociology and Anthropology	2	0	0	2
NS 225	Psychology	2	0	0	2
	Sudanese Studies	2	0	0	2

Total							21
Semester-5							
Code	Course Title	Contact Hrs.			Credit Hrs.		
		L	T	P			
NS 311	Genetics Science	2	0	0	2		
NS 312	Obstetrical Nursing	3	0	12	6		
NS 313	Gynecological Nursing	1	0	4	2		
NS 314	Health Statistics	2	0	0	2		
NS 315	Counseling	2	0	0	2		
NS 316	Education and Educational Technology	2	0	0	2		
NS 317	Nursing Theory	2	0	0	2		
Total							18
Semester-6							
Code	Course Title	Contact Hrs.			Credit Hrs.		
		L	T	P			
NS 321	Pediatric Nursing	4	0	8	6		
NS 322	Psychiatric and Mental Health Nursing	3	0	8	5		
NS 323	Gerontology Nursing	1	0	4	2		
NS 325	Research Methods	2	0	0	2		
NS 326	Health Economics	2	0	0	2		
Total							19
Semester-7							
Code	Course Title	Contact Hrs.			Credit Hrs.		
		L	T	P			
NS 411	Emergency & Critical Nursing	2	0	8	4		
NS 412	Nursing Administration	2	0	8	4		
NS 413	Community Health Nursing II	2	0	8	4		
NS 414	Forensic Medicine	2	0	0	2		
NS 415	Graduation Project (Con)	2	0	0	2		
Total							16
Semester-8							
Code	Course Title	Contact Hrs.			Credit Hrs.		
		L	T	P			
NS 421	Graduation Project (Con)	2	0	0	2		
NS 422	Consolidation Practice Medical Nursing	1	0	8	3		
NS 423	Consolidation Practice Surgical Nursing	1	0	8	3		
NS 424	Consolidation Practice Pediatric Nursing	1	0	8	3		
Ns 425	Consolidation Practice Maternal Nursing	1	0	8	3		
Total							14

Faculty of Dentistry

The University of Garden City was established 2003 as a university college, then upgraded to a university in 2015. The university offered B.Sc (Honours) in different field, including Architecture, Electronics and Computer, Information Technology, Economics and Communications.

The BDS curriculum in UGC is hybrid implement integrated disciplines modules and Problem-Based Learning. Our students are expected to excel in our curriculum and graduate successfully to become outstanding clinicians, leaders, educators and researchers seeking long life learning.

This programme consists of ten semesters (Five years) successful fulfillment of the programme leads to the award of BDS (Bachelor of Dental Surgery) The total number of credit ours for completion of the BDS Program is 198 hours

Vision:

To be known for innovative dental education, commitment to cultural diversity, discovery, transfer of scientific knowledge, the superior skills of our graduates and the highest degree of patient care and service, to be internationally recognized as a leader in education, research, patient care and service.

Mission:

Is to participate in evidence based dental practice, oral health promotion and community service through high quality education by graduating competent dentist.

Objectives:

- Attracting and employing a sufficient and distinguished faculty staff and technicians
- Developing the efficiency of the student clinical training
- Ensure that the targeted learning outcomes and achieved in the dental program and its operation.
- Follow-ip evaluation to improve the performance of faculty members and academic leaders of the College.
- Graduating dentists who are scientifically qualified and capable of continuous self-learning

Values:

These values help the college achieve its vision and mission: Excellence, Integrity, Collaboration, Courtesy, Compassion, Diversity, Professionalism

Semester-1					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
D 1011	Introduction to Health and Dentistry				2
D 1012	Arabic Language				2
DR 1013	English Language				2
DR 1014	Islamic Culture				2
DR 1015	Human Biology				2
DR 1016	Biophysics				3
DR 1017	Mathematics and Statistics				3
DR 1018	Introduction to Biochemistry				3
DR 1019	Sudanese Culture				2
Total					21
Semester-2					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
D 1021	Biochemistry and Nutrition				3
DR 1022	Computer Application				2
D 1023	Basic Physiology				2
D 1024	General Human Anatomy and Histology				3
D 1025	Growth and Development				3
DR 1026	Arabic Language				2
DR 1027	English Language				3
Total					18
Semester-3					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
D 2031	General Pathology				3
D 2032	Microbiology				3
D 2033	Craniofacial Musculoskeletal				6
D 2034	Dental Material Science				2
D 2035	Pharmacology				3
D 2036	Dental Morphology and Occlusion				3
Total					20
Semester-4					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
D 2041	Blood and Lymph				4
D 2042	Neuroscience				3
D 2043	Cardiopulmonary System				4
D 3044	Oral Biology and Gastro Intestinal Tract				5
D 3045	Endocrine and Metabolism				3
D 2046	Oral Microbiology				2
Total					22

Semester-5					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
D 2051	Preclinical Prosthodontics Skills				3
D 3052	Preclinical Dental Surgery				3
D 3053	Preclinical Dental Skills (Restorative Dentistry)				3
D 2054	Primary Healthcare I / Research Methodology				3
D 3055	Dental Epidemiology / Prevention of Dental Disease				2
D 3056	Preclinical Periodontology				2
Total					16
Semester-6					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
D 3061	Oral Pathology I				3
D 3062	Skills (Removable Prosthodontics Partial Denture)				2
D 3063	Preclinical Dental Skills (Fixed Prosthodontics)				2
D 3064	Preclinical Dental Skills (Endodontic)				2
D 3065	Dental Public Health and Field Training Data Collection				3
D 3066	Dental Radiology				2
D 3067	Preclinical Dental Skills (Pedodontics)				2
D 3068	Professionalism and Medical Ethics				2
Total					18
Semester-7					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
D 4071	General Surgery				3
D 4072	General Medicine				3
D 4073	Oral Pathology II				3
D 4074	Oral and Maxillofacial Surgery I				2
D 4075	Conservation I				3
D 4076	Removable Prosthodontics I				2
D 4077	Periodontics I				2
D 4078	Pediatric Dentistry I				2
D 4079	Preventive Dentistry				2
Total					22
Semester-8					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
D 4081	Conservation II				3
D 4082	Removable Prosthodontic				2
D 4083	Periodontics II				2
D 4084	Pediatric Dentistry II				2
D 4085	Orthodontics I				2
D 4086	Oral and Maxillofacial Surgery II				2
D 4087	Fixed Prosthodontics I				2
D 4088	Oral Medicine				2

Total							20
Semester-9							
Code	Course Title	Contact Hrs.			Credit Hrs.		
		L	T	P			
D 5091	Fixed Prosthodontics II				2		
D 5092	Conservation III				4		
D 5093	Periodontics III				3		
D 5094	Pedodontics III				3		
D 5095	Orthodontics II				2		
D 5096	Removable Prosthodontics III				3		
D 5097	Oral and Maxillofacial Surgery III				4		
Total						21	
Semester-10							
Code	Course Title	Contact Hrs.			Credit Hrs.		
		L	T	P			
D 5101	Comprehensive Integrated Operative Dentistry				8		
D 5102	Comprehensive Integrated Oral and Maxillofacial Surgery				4		
D 5103	Comprehensive Preventive Dentistry (Paedo & Otho I)				3		
D 5104	Graduation Research				3		
Total						18	

Faculty of Law

The high quality of education backed by this role has led the Faculty to train many outstanding students and researchers, both from Sudan and overseas. Graduates of the Faculty have gone into a broad range of fields, including justice, public administration, politics, economics, journalism and academics.

Law is not the only subject of study and research at the Faculty. Rather, law is coupled together with political science. In modern society, law and politics are both indispensable and inseparable. These two fields support each other mutually: politics establishes and enacts laws, while laws shape and guide politics.

At the Faculty of Law, students study the administrative, legislative and judicial branches of the government from a wide range of angles. These concepts are huge, complex and important phenomena that have a direct influence on people's existence, lives and well-being. Students are expected to acquire fundamental legal thinking skills and basic political insight. For some people, the term "Faculty of Law" may conjure up images of a school that trains students to be lawyers. The Faculty of Law's graduates, however, go into diverse career paths. Even for students who aspire to be lawyers, it is the Faculty's policy to provide education that does not focus strictly on a narrow definition of "law."

The Faculty has fashioned its curriculum and the number of credits required for graduation based on this policy. All students are required to register for the core courses in the curriculum. However, in addition to these, students also may freely select from a variety of courses focusing on law and politics, based on their interests and future academic or career paths. Thus, students are allowed and expected to develop their individual abilities.

Vision

We aspire to become a fully functional and renowned faculty, providing quality education with excellence, also work to graduate students who are able to create and communicate, cope with all challenges, developments and changes in the domain of law at the local and regional levels.

Mission

We aspire to prepare lawyers to serve their clients, the justice system and the public with a high level of accomplishment and a commitment to the highest ideals of the legal profession. We strive to provide students with a well-rounded legal education. Our curriculum is designed to teach students about the law and to help them develop the skills necessary to use that knowledge in practice.

Objectives

- Developing an attractive and innovative teaching policy to be able to get the best students;
- Establishing approach of general awareness among members of the community about the laws and protect them from deviant thoughts and improper, unlawful activities;

- Developing research and innovation;
- Ensuring a good governance process that builds the university's continued strength and educational excellence;
- Promoting life-long learning and developing professional and employment guidance;
- Taking care of research and studies of the UGC specialization.
- Increasing national and international cooperation.

Core Values:

The values of the Faculty of Law are fully aligned with those of the University with a view to creating a culture that reflects these values.

The members of the University of Garden City, Law Faculty believe that:

- Our community of scholars must be founded on the pursuit of knowledge through research, teaching and learning, with membership acquired on the basis of intellectual merit, ability and the potential for excellence; and that
- Differing perspectives, arising from diverse backgrounds and histories that define our identities, deepen scholarly inquiry and enrich academic debate.

Semester-1					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
ARB 111	Arabic Language I				3
SUD 112	Sudanese Studies				2
LAW 113	Introduction to Law I				3
LAW 114	Constitutional Law I				3
ISL 115	Islamic Culture				3
IJJ 116	Introduction to Islamic Jurisprudence				3
ENG 117	English Language I				3
Total					20
Semester-2					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
PISL 121	The purposes of Islamic Law				3
LAW 122	Introduction to Law II				3
ECO 123	Principles of Economics				3
COM 124	Principles of Computer Science				3
LAW 125	Constitutional Law II				3
LAW 126	History of Law				3
ARAB 127	Arabic Language II				3
Total					21
Semester-3					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
LAW 211	Public International Law				4
LAW 212	Administrative Law				4
LAW 213	Criminal Law (Public Part)				4
LAW 214	Civil Law (Contract Theory)				4
JUR 215	Transaction in Islamic Jurisprudence				4
LAW 216	Muslims Personal Law I				4
Total					24
Semester-4					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
LAW 221	Criminal Law II (Specific Offences)				4
LAW 222	Muslim Personal Law II				4
JUR 223	Principles of Islamic Jurisprudence I				4
LAW 224	Civil Law (Torts)				4
TER 225	Legal Terminology in English I				3
CRI 226	Criminal Procedures				4
Total					23
Semester-5					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
LAW 311	Civil Law (Specific Contracts) I				5

JUR 312	Islamic Jurisprudence II				3
LAW 313	Commercial Law I “Principles of Business Law”				3
LAW 314	Law of Evidence				4
CRIM 315	Criminology and Penology				3
METHO 316	Legal Methodology				4
Total					22
Semester-6					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
LAW 321	Civil Procedures I				4
LAW 322	Civil Law II (Specific Contracts)				4
LAW 323	Muslim Personal Law III				4
ENG 324	Legal English				4
LAW 325	Law of Intellectual Property				4
ETH 326	Legal Professional Ethics				3
Total					23
Semester-7					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
LAW 411	Air and Maritime Law				4
LAW 412	Civil Procedures II				4
LAW 413	Labor Law				4
LAW 414	Civil Law (Property)				4
LAW 415	Legislative Drafting				3
LAW 416	Personal Law of Non-Muslims				3
LAW 417	Banking Law				3
Total					25
Semester-8					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
LAW 421	Private International Law				3
LAW 422	Public Administration				3
LAW 423	Commercial Law II				3
LAW 424	International Humanitarian Law				4
ORG 425	International Institutions				3
PRO 426	Graduation Research				6
Total					25

Faculty of Post Graduate Studies

Master of Business Administration (MBA)

Earning a post graduate degree is an intensive educational experience. The primary goal of the Graduate Programmes at University of Garden City (UGC) is to prepare students to become socially responsible managers and leaders from an ethical, values-based perspective. Some of our Post Graduate courses are practice-based and we acknowledge the experience that each of our students brings to academic experience. Many, perhaps, most of our students are completing their qualifications part-time and we are mindful of the particular challenges associated with this type of studying and the need to provide for these through flexible delivery options, including online materials.

Though UGC is a relatively young institution, many of our faculty possesses a wealth of varied and long experience in academia. Our faculty as well as staff is committed to place students first. However, in the long run, our success will be measured by the achievements of our students, and the level of leadership they assume in their respective organizations and institutions and in the nation as a whole.

For the time being we have four approved programmes at the Masters level and only one of them, the MBA, is running. In the future we hope to have more programmes and up to the doctorate level.

Vision:

We drive excellence in research, innovation and education to create opportunity for our students, staff and partners to shape a responsible future for business and society.

Mission:

We provide quality business education, delivered by research engaged faculty in partnership with the business community, to prepare students for professional careers and enhance regional economic development.

Objectives:

- To provide a strong knowledge base in key specialized fields of knowledge
- To enhance participant's self-confidence and ability to evaluate the performance of business firms from an academic, practical and critical perspective.
- To develop awareness of the challenging local and international business environment.
- To develop a professional problem-solving attitude in the practice of management.
- To provide an opportunity for participants to study in depth the theoretical and practical implications for management of various environment settings; and to develop the essential and knowledge to deal with quality, change and employment issues facing contemporary organizations.

Core Values:

- Respect for our diverse students, colleagues and communities Integrity in our professional conduct
- Commitment to continuous improvement
- Accountability for our actions and results

Core Courses:

Semester-1					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MBA 101	Fundamentals of Management & Organization Theory				3
MBA 102	Principles of Economics				3
MBA 103	Principles of Accounting				3
MBA 104	Quantitative Methods				3
MBA 105	Effective Business Communications				3
MBA 106	Principles of Marketing				3
Total					18
Semester-2					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MBA 201	Managerial Economics				3
MBA 202	Human Resource Management				3
MBA 203	Operations Management				3
MBA 204	Financial Management				3
MBA 205	Risk Management				3
MBA 206	Total Quality Management				3
Total					18

Specialization: Management Information System

Semester-3					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MBA 301	Strategic Management				
MBA MIS 302	Management Information Systems				
MBA MIS 303	System Analysis and Design				
MBA MIS 304	Internet Technologies				
MBA MIS 305	Decision Support System & Business Intelligence				
MBA MIS 306	Network Lab				
Total					16
Semester-4					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MBA 401	Foundation of Teamwork and Leadership				
MBA MIS 402	Database Management System				
MBA MIS 403	Knowledge Management				
MBA MIS 404	Business Process Management				
MBA MIS 405	Information Security				
MBA MIS 406	SQL Lab				
Total					16

Specialization: Human Resource Management

Semester-3					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MBA 301	Strategic Management				3
MBA HRM 302	Sudanese Employment law I				3
MBA HRM 303	Organizational Behavior				3
MBA HRM 304	Knowledge Management and Intellectual Capital				3
MBA HRM 305	Quality and Human Resource Management				3
Total					15
Semester-4					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MBA 401	Foundation of Teamwork and Leadership				3
MBA HRM 402	Human Resource Development				3
MBA HRM 403	Performance Evaluation and Management				3
MBA HRM 404	Conflict Management and Negotiation Skills				3
MBA HRM 405	Compensation and Benefits Management				3
Total					15

Specialization: Marketing

Semester-3					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MBA 301	Strategic Management				3
MBA M 302	Marketing Management				3
MBA M 303	Supply Chain Management				3
MBA M 304	Consumer Behavior				3
MBA M 305	Integrated Marketing Communications				3
Total					15
Semester-4					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
MBA 401	Foundation of Teamwork and Leadership				3
MBA M 402	International Marketing				3
MBA M 403	Services Marketing				3
MBA M 404	Marketing Strategies and Brand Management				3
MBA M 405	Marketing and E-Commerce				3
Total					15

Specialization: Project Management

Semester-3						
Code	Course Title	Contact Hrs.			Credit Hrs.	
		L	T	P		
MBA 301	Strategic Management				3	
MBA P 302	Principles of Project Management				3	
MBA P 303	Cost and Managerial Accounting				3	
MBA P 304	Portfolio Project Management				3	
MBA P 305	PM Tools and Techniques				3	
Total					15	
Semester-4						
Code	Course Title	Contact Hrs.			Credit Hrs.	
		L	T	P		
MBA 401	Foundation of Teamwork and Leadership				3	
MBA P 402	Communication and Risk Management				3	
MBA P 403	PM Monitoring and Evaluation				3	
MBA P 404	Project Procurement Management				3	
MBA P 405	Advanced Topics in PM				3	
Total					15	

Specialization: Finance

Semester-3						
Code	Course Title	Contact Hrs.			Credit Hrs.	
		L	T	P		
MBA 301	Strategic Management				3	
MBA F 302	Corporate Finance				3	
MBA F 303	Cost and Managerial Accounting				3	
MBA F304	Financial Reporting and Statement Analysis				3	
MBA F 305	Banking Management				3	
Total					15	
Semester-4						
Code	Course Title	Contact Hrs.			Credit Hrs.	
		L	T	P		
MBA 401	Foundation of Teamwork and Leadership				3	
MBA F 402	Financial Markets and Institutions				3	
MBA F 403	Risk Management and Insurance				3	
MBA F 404	International Finance				3	
MBA F 405	Current Issues in Finance				3	
Total					15	

Master of Science in Communication Systems

University of Garden City was established 2003 as a university college, then upgraded to a university in 2015. The university offered B.Sc. (Honors) in different fields, including Architecture, Electronics and Computer, Information Technology, Economics and Communications. The M.Sc. program in Communication Systems is designed to prepare graduates for direct employment in a communication systems field. The program is structured primarily as on-site requirements to offer students flexibility to earn their M.Sc. Degree on a full-time basis. The courses of the program were designated to provide student with the latest aspects of communication. This program is consisting of three (3) semesters. The first two (2) semesters are courses for all students. The third semester is designed for dissertation or courses for the students who successfully passed the examinations of the first two semesters. Successful fulfillment of the program leads to the award of M.Sc. in Communication Systems. The total number of credit hours for completion of the M.Sc. program is 36.

PROGRAM MISSION

The program is committed to educate professionals and supplement their primary qualifications with applied, advanced and research knowledge and skills.

PROGRAM OBJECTIVES

- To create generations of highly qualified specialists in the field of communications system through the knowledge updating, theoretical background and augmenting the practical skills of the candidates.
- To provide student with the skills and specialized knowledge required for a career in the modern communications industry.
- To educate professionals and supplement their primary qualifications with applied, and advanced research knowledge and skills.
- To prepare students for positions in the field of Engineering/science and academic institution.
- To provide the corporations served by the program with professionals in communications.

PROGRAM OUTCOMES

Upon completion of this program, the graduate should be able to:

- Think deeply in problems.
- Demonstrate appropriate mastery of the knowledge, methods, and skills associated with communication systems.
- Identify problems by using analytical and experimental tools.
- Solve problems by using analytical and experimental tools.
- Apply acquired knowledge and skills for testing, calibrating, operating, utilizing, and managing communication systems.
- Apply state-of the-art technology in the field of communications.

Courses Only:

Semester-1					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
	Random Process and Queuing Theory	3	0	0	3
	Advanced Digital Communication Systems	2	0	3	3
	Advanced Digital Signal Processing	2	0	3	3
	Antenna and Wave Propagation	3	0	0	3
Total		10	0	6	12
Semester-2					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
	Mobile and Wireless Communication Systems	2	0	3	3
	Communication Networks Security	3	0	0	3
	Advanced Optical Communication Systems	3	0	0	3
	Elective Course	3	0	0	3
Total		11	0	3	12
Semester-3					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
	Broadband Communications Networks	3	0	0	3
	Internet Protocol Networks	3	0	0	3
	Communication Networks Management	3	0	0	3
	Elective Course	2	0	0	2
	Research Paper and Seminar	1	0	0	1
Total		12	0	0	12

Courses and Complementary Research:

Semester-1					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
	Random Process and Queuing Theory	3	0	0	3
	Advanced Digital Communication Systems	2	0	3	3
	Advanced Digital Signal Processing	2	0	3	3
	Antenna and Wave Propagation	3	0	0	3
	Internet Protocol Networks	3	0	0	3
Total		13	0	6	15
Semester-2					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
	Mobile and Wireless Communication Systems	3	0	0	3
	Communication Networks Security	2	0	3	3
	Advanced Optical Communication Systems	2	0	3	3
	Broadband Communications Networks	3	0	0	3
	Elective Course	3	0	0	3
Total		13	0	6	15
Semester-3					
Code	Course Title	Contact Hrs.			Credit Hrs.
		L	T	P	
	Complementary Research				6
Total					6

Elective Courses:

No	Elective Courses
1	Multimedia Communication Systems
2	Wireless ADHOC and Sensor Networks
3	Speech and Audio Signal Processing
4	Advanced Digital Image Processing
5	Advanced RADAR Systems



Curriculum Booklet

(c) University of Garden City