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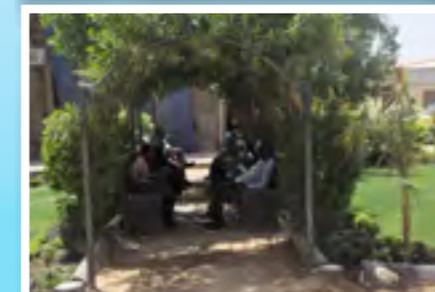
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<b>First Semester</b>	
3/10/2015	Welcoming Reception Ceremony
4/10/2015	Beginning of Classes – Semester 1
24/12/2015	End of Classes – Mid semester 1
26/12/2015-7/1/2016	Mid Semester 1 Examinations
1/1/2016	Independence Holiday
9/1/2016	Resumption of Classes
16/1/2016	Results of Mid Semester 1 Examinations
25/2/2016	End of Classes – End of Semester 1
27/2/2016-17/3/2016	Semester 1 Examinations
31/3/2016	Semester 1 Examinations Result
19/3/2016-24/3/2016	End of Semester 1 Vacation
<b>Second Semester</b>	
26/3/2016	Beginning of Classes – Semester 2
12/5/2016	End of Classes – Mid semester 2
14/5/2016-26/5/2016	Mid Semester 2 Examinations
28/5/2016	Resumption of Classes
4/6/2016	Results of Mid Semester 2 Examinations
9/6/2016	End of Classes – Ramadan and Eid Holiday
11/6/2016-14/7/2016	Ramadan and Eid Holiday
16/7/2016	Resumption of Classes
18/8/2016	End of Classes – End of Semester 2
20/8/2016-8/9/2016	Semester 2 Examinations
22/9/2016	Semester 2 Examinations Results
8/10/2016-20/10/2016	Supplementary and Substitute Examinations
5/11/2016	Beginning of Academic Year 2016-2017



## Introduction

Sudan International University (SIU), founded in 1990, and located in Khartoum Sudan, is a comprehensive academic institution with a distinctive learning style and a global vision. Over the past few years, the University has reviewed its structures in order to be in line with the educational advancement nationally and internationally. Conscious of its public role, the University strives to create courses which are relevant and timely in response to the needs of the country. All programs are accredited by the Sudan Ministry of Higher Education and Scientific Research. The academic core of the university includes ten Faculties and the Sudan International Languages Centre. It is primarily tasked with harnessing the tremendous human resources potential of the nation by improving the physical, intellectual and material well-being.



## Faculty of Medicine

This faculty is in the forefront of medical education and has central focusing to its mission, a curriculum that melds the study of basic science, pathophysiology and mechanisms of disease and the clinical practice of medicine into a cohesive program of learning.

Students always strive to grow and evolve and our faculty does provide them an innovative learning environment that imparts the refined skills of being competent practitioners.

The faculty grants the Bachelor degree in medicine and surgery (MBBS) in five years (ten semesters).



### FEES 2016 / 2017

Sudanese Students

International Students

50,000 SDG

8,000 USD

 0123232237-0123232236-0155665520

 dean.med@siu-sd.com, info@siu-sd.com

## Faculty of Dentistry

The Faculty maintains high academic standards and a curriculum with up-to-date scientific, technical and health care requirements.

The curriculum embodies a considerable amount of professional training to turn out graduates capable of functioning effectively both in individual or group practices.

The faculty grants the Bachelor Degree in Dental and oral Surgery (BDS) in five years (ten semesters).



### FEES 2016 / 2017

Sudanese Students

International Students

50,000 SDG

8,000 USD

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## Faculty of Pharmacy

The faculty promotes the health and welfare of the community around by preparing graduates in pharmacy to take independent professional responsibility for the outcome of drug therapy in patients. Graduates will have a strong scientific foundation, sensitivity to cultural diversity, and the ability to assume leadership roles in practice, community, and the profession.

The faculty grants the Bachelor Degree in Pharmacy in a period of five years divided into ten semesters.

## Faculty of Nursing

The faculty prepares nursing professionals for the multi-faceted demands of the changing healthcare landscape through an innovative curriculum.

Students gain practical skills in addition to a comprehensive theoretical body of knowledge and the development of a full range of clinical and interpersonal skills needed to function as an effective practitioner.

The faculty grants the Bachelor Degree in nursing sciences in four years (eight semesters).



### FEES 2016 / 2017

Sudanese Students

International Students

40,000 SDG

6,000 USD

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### FEES 2016 / 2017

Sudanese Students

International Students

14,000 SDG

4,000 USD

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## Faculty of Medical Laboratory Sciences

MLS students learn the theoretical knowledge in a broad range of subjects as well as practical, hands-on experience in a variety of lab techniques. Students integrate classroom learning with practical, laboratory-related experience and apply this to real-life projects. Students learn important life skills and explore the career options.

The faculty grants the Bachelor Degree in medical laboratory sciences in four years (eight semesters).



### FEES 2016 / 2017

Sudanese Students

International Students

22,000 SDG

4,000 USD

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## Faculty of Engineering

### **BSc Honours Electronic Engineering**

Electronic Engineering focuses on digital and analogue circuit design, software applications and microprocessors and control and communications systems. Emphasis is placed on the design of digital circuits and systems using advanced software tools. This program is targeted towards the rapidly growing and changing industries involving electronic and telecommunication systems. The program is designed to meet the demand for graduates with application oriented engineering skills and know-how.

### **BSc Honours Biomedical Engineering**

The design, operation and maintenance of hospital and health care systems requires a combination of knowledge and skills from disparate engineering disciplines, as well as computer and information technology. The Biomedical Engineering program equips the students with these diverse skills in order to pursue a successful professional career in the healthcare industry.

### **BSc Honours Networks and Communications Engineering**

The program adopts an integrated approach addressing the growing diversity in communications technologies and media, covering local area networks, wide area networks, wired and wireless networks. The program empathies are the interfaces between these diverse technologies as well as the special requirements for the transportation of real-time audio and video media.

### **BSc Honours Computer Systems Engineering**

The program concentrates on the design and programming of embedded computer devices used nowadays in every part of modern life from kitchen appliances to digital cameras and robotic systems. The program equips the students with the necessary skills to efficiently combine software and hardware solutions required for embedded electronic devices.

The faculty grants the Bachelor Degree (Honours) in Engineering in five years (ten semesters).

### **BSc Honours Control Systems Engineering**

Graduates of the Control Systems Engineering program acquire outstanding knowledge and training in electrical and electronic circuits, measurement devices, electromechanical energy conversion, electrical power, computer and control systems, and applications of various technologies in the control systems engineering discipline.

### **BSc Honours Power System Engineering**

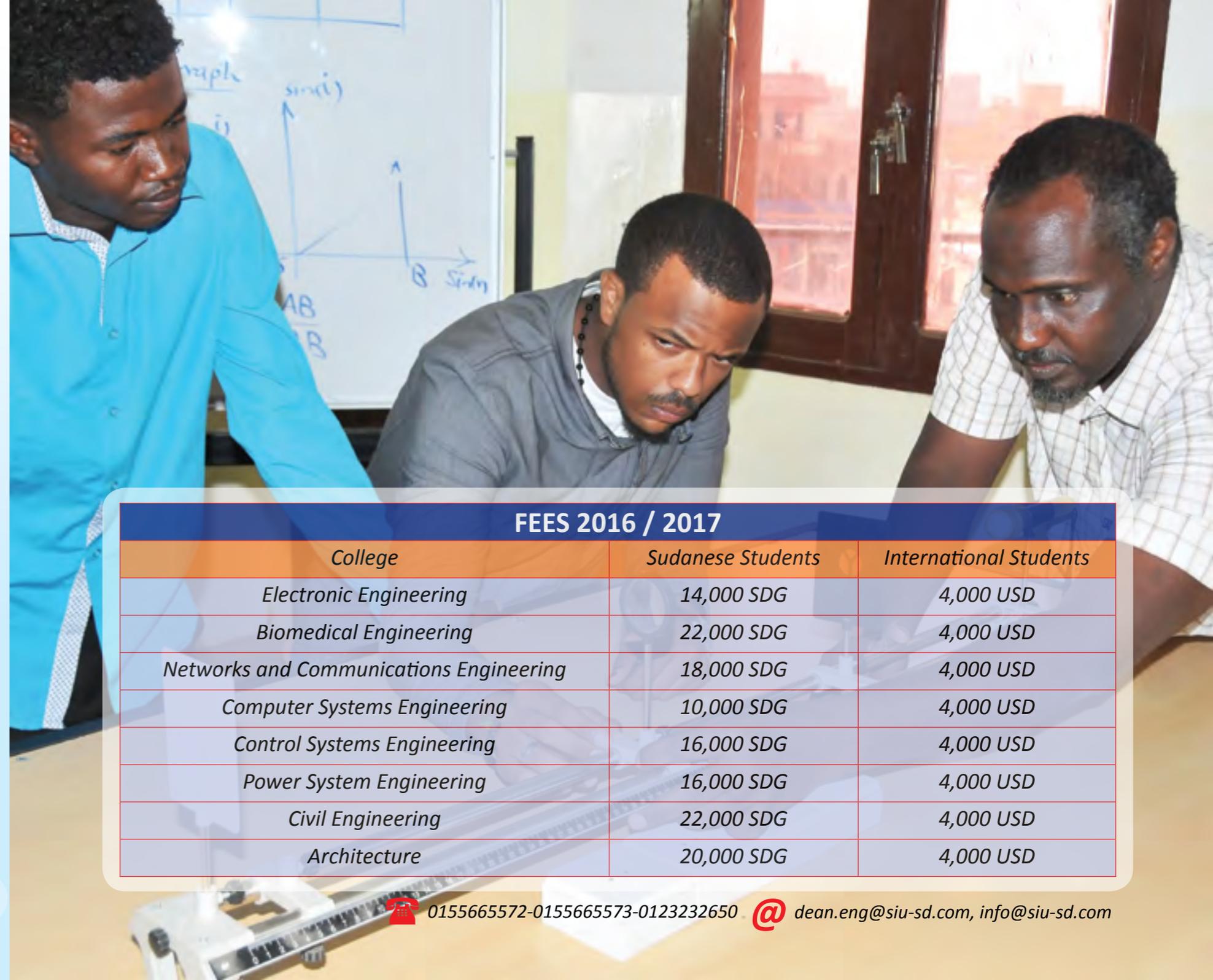
Electric power engineering is concerned with the generation, transmission and distribution of electric power. The program provides the graduates with knowledge and skills for planning design and operation of electric power systems.

### **BSc Honours Civil Engineering**

Civil engineering is a discipline that deals with the built environment. The built environment encompasses much of what defines modern civilization including buildings, bridges, roads, railroads, subway systems, and airports. The Civil Engineering program prepares graduates for a career in the design or construction of civil and structural engineering projects.

### **BSc Honours Architecture**

The BSc in Architecture program is concerned with the architectural design and improvement of integrated structural and building systems, as well as the creative development and application of information technology. Graduate learn how analysis, design architectural systems, and to supervise and manage the construction and operation of buildings, as well as developing timing, costing and financing program.



### FEES 2016 / 2017

College	Sudanese Students	International Students
Electronic Engineering	14,000 SDG	4,000 USD
Biomedical Engineering	22,000 SDG	4,000 USD
Networks and Communications Engineering	18,000 SDG	4,000 USD
Computer Systems Engineering	10,000 SDG	4,000 USD
Control Systems Engineering	16,000 SDG	4,000 USD
Power System Engineering	16,000 SDG	4,000 USD
Civil Engineering	22,000 SDG	4,000 USD
Architecture	20,000 SDG	4,000 USD



## Faculty of Computing and Information Systems

### **BSc Honours Business Computing**

The program combines the fundamental content of both Computer Science and Business Management Economics, to prepare graduates to combine business enterprise with a computing expertise.

The program is designed for students seeking to acquire a high level of knowledge of business concepts and information systems applications to create solutions for contemporary business problems. The student will acquire the skills needed to integrate hardware, software, and management capacities to solve problems in specific functional areas of business. The objectives of

### **BSc Honours Network Management**

This program is designed to provide the understanding and skills needed to design and manage computer networks. Graduates from the program will have an understanding of the critical role networks play in organizations. They will be able to operate, manage, design and implement secure networks in response to the growing global demand for practitioners with these abilities. They will appreciate threats to network security and understand defence strategies and mechanisms.

### **BSc Honours Information Management And Security**

The BSc program in Information Management and Security produces professionals who possess the state of the art knowledge and skills to manage the secure development, storage, retrieval and transmission of information assets.

Graduates are equipped with the necessary knowledge and skills to Manage resources within the organization's IT infrastructure , Develop and deploy enterprise software solutions, Manage the storage, organization, retrieval, transmission, and analysis of the enterprise information assets, and Understand all key aspects of information security: computer forensics, intrusion detection and cryptography, enabling them to analyze Systems security requirements and design secure computer infrastructures.

### **BSc Honours Internet Systems Development**

The aim of this program is to bring together the many areas that affect the design and development of web-based applications; covering technical, theoretical and design areas. The student will learn how to design, implement and deploy real-time interactive web applications using visual frameworks, multimedia elements and up-to-date software development technologies.

The faculty grants the Bachelor Degree (Honours) in Computing and Information System in four years (eight semesters).



### FEES 2016 / 2017

College	Sudanese Students	International Students
Business Computing	10,000 SDG	3,000 USD
Network Management	10,000 SDG	3,000 USD
Information Management And Security	10,000 SDG	3,000 USD
Internet Systems Development	10,000 SDG	3,000 USD



## Faculty of Management Sciences

The faculty prepares students to be future business and public leaders by putting them at the center of learning experience. The graduates will change the life of individuals and communities due to the skills that allow them to learn and grow throughout their lives. It also helps students to answer these questions practically:

- **Do you know how you think and behave?**
- **The way you process ideas?**
- **How you translate ideas into action?**

The faculty offers Individual strength Assessment. who build upon their own attributes for thinking and behaving are able to communicate, sell, make presentations, teach and motivate others more effectively.

Its understand the need of designing and implementing such a curriculum which would bridge the gap between theoretical learning and industry requirements

The faculty will continue to strive to contribute to the human resource development of the country through continuous curriculum development in partnership with other universities, communities and industries to ensure sustainable development.

The faculty grants the Bachelor Degree (Honours) in Management Sciences in Business Administration, Accounting & Auditing, Marketing and Management & Information System in four years (eight semesters).

### FEES 2016 / 2017

Sudanese Students	International Students
10,000 SDG	3,000 USD

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## Faculty of Economics, Financial and Banking Studies

The objective of the faculty is to prepare qualified cadres in the fields of economics, financial and banking studies as a participation in preparing the next generation of economics, finance and banking majors, researchers, and educators dedicated to serving the society.

The faculty grants the Bachelor Degree (Honours) in economics, financial and banking studies in Financial, Banking Studies and Economics and Quantitative Methods in four years (eight semesters).

### FEES 2016 / 2017

Sudanese Students	International Students
10,000 SDG	3,000 USD

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## Faculty of Tourism & Hotel Management

Hospitality, travel and tourism are rapidly growing industries. The NDU program of Bachelor of Hotel Management and Tourism is designed to prepare students for successful professional and executive careers in the hospitality and tourism industries by allowing them to specialize in one of the following three concentrations: Hospitality Services Management, Food & Beverage Operations Management, as well as Travel and Tourism Management.

The various concentrations provide a sound foundation in hotel and restaurant management as well as tourism administration through focused academic coursework, hands-on work experience, and intense interaction with the industry. They also provide relevant educational opportunities for persons currently employed in these industries and wishing to upgrade their skills.

Hospitality and Tourism Management students at NDU benefit from a rare opportunity to learn the international management techniques for success in the hospitality and tourism field, while also seeking knowledge more adapted to their professional career orientations and specializations.

The faculty grants the Bachelor Degree (Honours) in - Tourism & Hotel Management in four years (eight semesters).



### FEES 2016 / 2017

Sudanese Students

International Students

8,000 SDG

1,000 USD



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## Sudan International Language Center (SILC)

The University has established SILC for the purpose of upgrading the Students level in English language, as an academic support to them. SILC provides language services for interested individuals, organizations and institutions operating in both public and private sectors. It thus offers language services not only for the university, but also extends its services into the society at large. It aims to help enhance participants in developing all four-language skills: reading, writing, listening and speaking with an emphasis on verbal communication. Each Course is designed with a strong practical, skills-based approach to language instruction to ensure effectiveness of each program.



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## The Library

*The university has a very distinguished traditional and electronic library in both the university campuses, Arkweet & Alazhary.*



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@ library@siu-sd.com

## Department of Quality Assurance and Self-Evaluation

*Believing in the importance of continuous development of the educational process, the university administration has developed the Department of Quality Assurance and Self-Evaluation to promote a culture of quality and continuous improvement in all sectors at the Sudan International University.*

*The department's roles embrace, the preparation of standards and mechanisms for quality and self-evaluation, disseminate a culture of quality, follow-up of students' attendance, extracting periodic reports on attendance and performance of teachers, overseeing the development and delivery of curricula according to the specifications and vision of SIU.*

*The Department is envisaged as being an agent of transformation and institutional advancement that propels SIU beyond excellence.*





*Is an integrated educational and technical body that aims to provide quality services to the University's students? The Deanship takes an active interest in the social, cultural, physical and psychological affairs of students in order to enrich their university experience and educational process.*

### **Goals of the Students Affairs**

- 1- Creating a favorable atmosphere to attract students and enable them to enhance their talents, skills and practical and educational experiences.
- 2- Encouraging students to strike a balance between academic requirements and their social, physical and psychological needs.
- 3- Contributing to community activities, events and institutions.
- 4- Providing medical insurance to all students & accommodation to female students.
- 5- Developing students' personalities and promoting their talents and skills in all aspects of life.
- 6- Promoting teamwork and volunteer work among students.



*International students can add diversity to the university, enriching the experience of other students on campus. Schools with a strong global presence often have a wealth of cultural groups and events, allowing international students an opportunity to share their food, music and traditions with their Sudanese peers. International students attending one of the schools listed below may also benefit from a large foreign community when trying to acclimate to Sudanese life. These colleges reported the highest percentage of their students who were international in the 2013-2014 academic years.*

## EXAMINATION REGULATIONS

- 1- The Final Examinations are to be held at the end of the first and the second semester.
- 2- The mid-term exams are to be held in the middle of each semester.
- 3- Substitutions and the supplementary examinations are to be held at the end of the academic year.
- 4- The student who has a supplementary examination is not allowed to sit for a substitution examination.
- 5- Students' complaint is to be submitted in writing to the examinations administration no later than two weeks after the results announcement and after paying the prescribed fees.

### Regulations for Students:

- 6- Student will not be allowed to sit for the exams, unless he/she registers in the university.
- 7- Student's attendance is required in all courses, so student will be deprived to sit for the final exam if the percentage of his/her attendance is less than (75%).
- 8- The Student who has registered, but he/she is absent for more than 25% and extends up to 40% and he has an acceptable excuse, he will be given the opportunity to sit for the substitution exam.
- 9- A student who has registered, but he/she is absent for more than 25% and extends to 40% without any acceptable excuse, he will be given zero and he/she has to sit for the supplementary exam.
- 10 Student who is absent from the final exam without an acceptable excuse, he/she will be given zero for the exam and he/she has to sit for the supplementary exam.
- 11- Student who missed more than (40%) of the study with an acceptable excuse his/ her study will be frozen.
- 12- Student who missed more than (40%) of the study without an acceptable excuse he/she has to repeat the year.
- 13- Student who is absent without excuse for two consecutive semesters he/she will be dismissed from the university.

- 14- The Faculty Board allows the student who has completed the period of study, but he was unable to sit for all examinations, or any part of them due to illness or any other reasons convincingly to the Faculty Board he/she will be given a chance to sit for the substitutions exams, and he/she should submit to the faculty board a medical report in accordance with the regulations prescribed for the issuance of medical reports or any other documents.
- 15- The student who is on sick leave will not be allowed to sit for any examination during the period of the validity of such leave; if he/she sat for examination during that period the result will be canceled.

### Exam Hall Regulations:

- 16- Student will not be allowed to enter the exam hall without a valid university card.
- 17- Students are allowed to enter the examination hall five minutes before the time of the beginning of the exam.
- 18- Students are not allowed to enter the exam room after half an hour from the beginning of the exam.
- 19- Students are not allowed to leave the exam room, before half time from the beginning of the exam.
- 20- Students are not allowed to leave the exam room only for absolutely necessary reason and, accompanied by one of the invigilators.
- 21- Students have to sit in the exam room in the places allocated to them.
- 22- Students are not allowed to enter the exam room with any book, paper, written or printed document or an advanced scientific calculator. And he/she is not allowed to have any assistance from any person inside the exam hall.
- 23- Examinees, who are in need of anything, should direct their request to the invigilators and is not permitted to borrow anything from their colleagues or to leave their places, without the permission of the invigilator.
- 24- Students should follow strictly the instructions written on the booklet or the answer and questions sheet.

- 25- Student should write his/her name, number and any other information clearly in the places assigned to them in the booklet, the answer or questions sheet.
- 26- Students are not allowed to write in any paper other than the exam paper.
- 27- Students are not allowed to remove any paper from the answer booklet.
- 28- Students are not allowed to smoke, drink or to eat inside the exam hall.
- 29- Students are not allowed to use mobile phones inside the exam hall.
- 30- Students should bring the necessary tools needed to perform the exam, the exchange of the tools is not allowed.
- 31- Students are not allowed to leave the exam hall in the last five minutes of the end of the exam.
- 32- Students should stop writing and arrange their papers when the exam time is out and to wait until the papers are collected.

### **Violations and Penalties:**

#### **Cases of Cheating:**

- 33- This indicates cooperation during exam by talking or exchanging papers or carrying papers or any topic that relates to the exam or hiding the booklets or not submitting it to the invigilator by the end of the exam or identity theft or any other prohibited behavior during the exam.
- 34- If a student is set in any of the cases of cheat, he/she is allowed to continue the exam after withdrawing the seized material. This student will be investigated by a committee which specialized for this issue.
- 35- If the student does not attend the investigation despite of being announced, a verdict may be issued in absentia.
- 36- If it turns out for the Academic council that the concerned student has violated this Article, a penalty or mor of the following should be inflicted on him:

- A- Notice of dismissal.
- B- Failure in the course and to be granted zero.
- C- Suspension of the student for a period specified by the scientific council which should not be less than one academic year.
- D- Final dismissal.

#### **MISCONDUCT:**

- 37- Misconduct includes the following:
- A- Student's failure to comply with the directives of the invigilators inside the exam hall.
- B- Damaging the answer papers, question papers or equipment...etc.
- C- Inconvenience and disturbance during exam.
- D- Pronouncing obscene words, or writing it on equipment, or answer papers.
- E- Using tobacco or cigarettes.
- 38- In case of any behavior that threatens the progress of exams or prejudice the integrity and safety of examiners, or those in charge of it, the student must be prevented to continue the exam, and to be referred to a committee of inquiry for punishment.
- 39- This student will be investigated by a committee which specialized for this issue, if he/ she does attend the investigation despite of being announced, a verdict may be issued in absentia.
- 40- If it turns out for the Academic council that the concerned student has violated this Article, a penalty or more of the following should be inflicted on him:
- A- Notice of dismissal.
- B- Suspension of the student for a period of maximum 2 years.
- C- Final dismissal.

41- The case & penalty will be announced in the board.

### Assessment of a Student's Performance

42- The assessment depends on the student's performance in exams and his/ her work throughout the year which includes the attendance, semester performance, exercises, lab. Experiments and tests as follows:

- A- Mid- semester exams 30%.
- B- Continuous assessment 20%
- C- End semester-Exams 50%

43- The Pass mark in the course is 50%

44- The student who fails in one or more of the subjects of both semesters of the academic year and achieves a cumulative of 1.5 or more will be allowed to sit for the supplementary exams in the subjects in which he/ she fails.

45- The student who passes in the supplementary exams and achieves an average of less than 2.00%, receives a warning.

46- A student repeats the academic year in the following cases:

- A- Achieving a cumulative rate less than 1.5 by the end of the academic year.
- B- Failure in one or more of the supplementary or substitute exams.
- C- If the student, who received a warning in the previous year, fails to modify his/her cumulative average up to 2.00 or more.

47- The student is dismissed for academic reasons in the following cases:

- A- If he/she exhausts his repeat chance.
- B- If he/she repeated in the final year and was absent for two successive semesters.

48- Arabic language, Islamic studies, and Sudanese studies are not included within the semester average and

consequently within the cumulative average. It is also excluded from the repeat and dismisses processes; however, graduation is conditioned by passing them.

49- Assessment is based on calculating the semester and cumulative averages i.e., (4 points).

50- The semester average (GPA) is calculated on the basis credit hours for each course – one credit hour for each teaching hour, and one credit hour for each practical or exercise duration from 2-3 hours.

51- The cumulative average (c GPA) is calculated by the end of each semester proportionally between the (GPA) and the previous (c GPA) according to the credit hours of each semester.

52- The (GPA) and the (c GPA) are calculated to three decimals and then estimated to GPA) and the (c GPA) two decimals.

53- Symbols and points are used in calculating the ( GPA) and the ( cGPA)

**For all the grades attained by the student as follows:**

Points	Symbol	Grade
3.75 - 4.00	A+	90 - 100
3.50 - 3.74	A	80 - 89
3.25 - 3.49	B+	75 - 79
3.00 - 3.24	B	70 - 74
2.75 - 2.99	C+	65 - 69
2.50 - 2.74	C	60 - 64
2.25 - 2.49	D+	55 - 59
2.00 - 2.24	D	50 - 54
0.50 - 1.00	F	00 - 49
0.00	X (F)	Absence

## Granting the Academic Grades:

54- The academic degrees are granted for those who have successfully completed the curriculum according to the following:

- A- Bachelor's Degree program of five years (10 semesters).
- B- Bachelor's Degree program of four years (8 semesters).

55- The student who transferred to the university from another educational institution, s/he will not be granted any academic degree unless s/he completes six semesters (a five-year BA.) in the university, or four semesters (a four-year BA).

56- The estimation of the graduation certificate is as follows:

### The university grants the following academic grades for the BA.

- Excellent** - Achieving a cumulative average of not less than 3.50  
 - if there is no any repeat of an academic year  
 - Success in all courses.
- Very Good** - Achieving of a cumulative average that is not less than 3.00  
 - if there is no any repeat of an academic year  
 - Success in all courses of the last two semesters without supplementary.
- Good** - Achieving a cumulative average that is not less than 2.50
- Pass** - Achieving a cumulative average that is not less than 2.00

## The Process of the Calculation of the cumulative grade points average (CGPA)

1. Calculate Grade Value (GV) of any course = 
$$\frac{GL + (x-L) * (GM-GL)}{M-L}$$
  - X= the Student Mark.
  - L= Lowest mark in the table in which the student's mark is attained.
  - M= Upper mark in the table in which the student's mark is attained.
  - GL= Lowest grade points in the table in which the student's mark is attained.
  - GM= Upper grade points in the table in which the student's mark is attained.

2. Calculation of the Grade Points (GP)=

$$GV * CR$$

If GV= Grade Value CR= Credit Hrs

3. Calculate the Grade Points Average(GPA)=

$$\frac{\sum GP \text{ Per-Semester}}{\sum CR}$$

4. Calculate the cumulative grade points average(CGPA) =

$$CGPA_{xi} = \frac{GPA_{x1} * CR_{x1} + GPA_{x2} * CR_{x2} + \dots + GPA_{xi} * CR_{xi}}{CR_{x1} + CR_{x2} + \dots + CR_{xi}}$$

$X_i$  = Number of

### **The Regulation of Students' Registration:**

1. Registration begins directly after the announcement of the examinations and result extends until the end of the first week of the beginning of the study.
2. The registration procedures can be done by the student personally or his/ her representative in the specified places and times.
3. The student must pay the tuition and registration fees for the meant academic year.
4. The college will publish the lists of the students who have completed their registration procedures and paid their fees during the registration period and they will be accredited students for the meant academic year.
5. The student who fails to register within the specified period is considered as an absent without excuse, and the consequent denial of access to the university and exams.
6. The university card is issued at the beginning of each academic year to students who have completed the registration procedures.
7. After the ending of the specified registration dates, each college department will publish lists of all the students who are not registered directing them to meet the administration in a week from the date of publication of these lists.
8. (A) if the student does not register, but he/ she has met with management of the college in the period specified in Article (7), Management may be concerned with the overall recommendation of the Academic Council of the school year to freeze him/ her.  
(B) If the student does not register, and does not meet the college management in the period specified in Article (7), so he/ she will be dismissed from the college.

### **The Freezing Regulations:**

- 1- The freezing process will be done in the registration duration after paying the registration fees.
- 2- The Academic Board can freeze the study of students who registered after the limited time.
- 3- The freezing is conditioned with the payment of the determined fees.
- 4- The maximum limit for freezing is two years throughout the whole study period.
- 5- The freezing is not allowed in the first year.

### **The Regulation of Student's Resignation:**

- 1 – The first year student can resign from the university, after the completion of registration procedures, and retrieves his/ her tuition fees within (15) days only from the date of repayment, but not after the start of the study, and in both cases the registration and application fees will not be retrieved.
- 2 – The senior student who resigns will pay all his/ her installment fees until the date of resignation.

### **The regulation of the general appearance:**

#### **The student must fully comply with the following regulations:**

- (1) commitment to decent appearance in all the university sites and when practicing any non- class activity.
- (2) It is strictly forbidden to sit in front of the university neighborhood homes entrances.
- (3) It is not permitted to establish any celebrations or events on campus unless obtaining an agreement from the Deanship of Student Affairs.
- (4) The Deanship of Student Affairs and the security authorities are responsible for the implementation of these Regulations.

## Ethics & Behaviors:

### All students must comply with the following regulations:

1. Respect the laws and norms and regulations prevailing in the country.
2. Respect all religions and beliefs.
3. Respect all the teachers and staff, and good to deal with his fellow students.
4. Compliance with all provisions of the academic regulations and regulations of Student Affairs and systems of universities, colleges and institutions that deal with SIU for training and research purposes, and so on.
5. Not taking any intoxicating or narcotic substance or participating, possessing, distributing any such substances.
6. It is prohibited to have any kind of foods or drinks inside the classrooms, labs and the library.
7. It is prohibited to smoke inside the campus.
8. It is prohibited to practise any political activity on campus.
9. Completely avoiding any ideological or racial intolerance.
10. It is prohibited to bring or possess, display or carry any weapon or any other material which is feared for the student's safety and the safety of others.
11. It is prohibited to come up with any behavior that threatens the student's security, health or the health and safety of others.
12. Caring for and maintaining the property of the university and falls in this context:
  - A - Good use of the contents of the halls, laboratories, library and the locations of student activities.
  - B - Do not write or paste papers on the walls, floors and ceilings.
  - C - Take care of the landscapes, gardens and fields.
  - D - Throw the waste and garbage in places allocated to them.

## Penalties:

The student who violates these regulation or other university systems and regulations will be subjected to a penalty or more depending on the type and magnitude of the offense. The penalties are:

- A - warning.
- B - The denial of the study for a period not exceeding two weeks.
- C - The payment of compensation in case of the damage of the university property.
- D – Dismissal from the University for a Full Academic Year.
- E – Total dismissal from the university.

## Students Curriculum

Faculty of Medicine					
Phase One (Semester 1-4)					
Semester 1			Semester 2		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
MED111	Anatomy(I)	5(3,1,1)	MED121	Anatomy (II)	5(3,1,1)
MED112	Physiology (I)	5(3,1,1)	MED122	Physiology (II)	5(3,1,1)
MED113	Biochemistry(I)	5(3,1,1)	MED123	Biochemistry (II)	5(3,1,1)
MED114	Community Medicine (I)	3(2,1,0)	MED124	Community Medicine (II)	3(2,1,0)
MED115	Clinical Skills (I)	3(2,0,1)	MED125	Clinical Skills (II)	3(2,0,2)
MEW116	Computer Application (I)	1(0,0,1)	MEW126	Computer Application (II)	1(0,0,1)
MEV117	English Language(I)	3(2,1,0)	MEV127	English language(II)	3(2,1,0)
Semester 3			Semester 4		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
MED231	Anatomy (III)	5(3,1,1)	MED241	Neurosciences	8(6,1,1)
MED232	Physiology (III)	5(3,1,1)	MED242	Biochemistry (IV)	2(2,0,0)
MED233	Biochemistry(III)	4(3,1,0)	MED243	Community Medicine (IV)	3(2,1,0)
MED234	Community Medicine(III)	3(2,1,0)	MED244	Clinical Skills (IV)	3(2,0,1)
MED235	Clinical Skills(III)	3(2,0,1)	MED245	English language (IV)	3(2,1,0)
MEV236	English language(III)	3(2,1,0)	MED246	General Pathology(I)	4(3,1,0)
MEY237	Islamic Studies (I)	2(2,0,0)	MEY247	Islamic Studies (II)	2(2,0,0)
MEX238	Arabic language(III)	2(2,0,0)	MEX248	Arabic language (II)	2(2,0,0)

Phase two ( Semester 5-6)					
Semester 5			Semester 6		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
MED351	Systemic Pathology(II)	5(3,1,1)	MED361	Systemic pathology(III)	5(3,1,1)
MED352	Microbiology(I)	5(3,1,1)	MED362	Microbiology(II)	5(3,1,1)
MED353	Pharmacology(I)	4(3,1,0)	MED363	Pharmacology(II)	4(3,1,0)
MED354	Advanced Clinical Skills (II)	12(6,6,9)	MED364	Advanced Clinical Skills(II)	12(6,6,9)
MED355	Community(V)	3(2,1,0)	MED365	Tropical& Endemic Diseases	4(3,1,0)
Phase Three (Semester 7-10)					
Semester 7			Semester 8		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
MED4(7/8)1	Paediatrics	12(4,6,12)	MED4(7/8)2	Obstetrics & Gynaecology	10(2,4,12)
MED473	Forensic Medicine& Toxicology	4(2,1,1)	MED4(7/8)4	Psychiatry	4(2,1,1)
MED4(7/8)5	Ophthalmology	3(2,0,1)	MED4(7/8)6	Oncology	3(2,0,1)
MED477	Research Methodology	2(2,0,0)	MED488	Radiology	4(2,1,1)
Semester 9			Semester 10		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
MED591	Medicine	12(4,6,12)	MED501	General Surgery	12(4,6,12)
MED592	Clinical Nutrition	2(2,0,0)	MED502	Orthopaedics & Traumatology	4(2,1,1)
MED593	Family Medicine	4(2,1,1)	MED503	Ear, Nose & Throat	2(2,0,0)
MED594	Dermatology	2(2,0,0)	MED504	Anaesthesia	2(2,0,0)
			MED505	Emergency Medicine	4(2,1,1)

Faculty of Dentistry					
Semester 1			Semester 2		
Code	Course	Credit Hours(L, T, P)	Code	Course	Credit Hours(L, T, P)
ARQ1	Arabic Language I	2(2,0,0)	SSQ1	Sudanese Studies	2(2,0,0)
RSQ1	Religious Studies I	2(2,0,0)	DNV115	Computer Applications I	2(0,0,2)
DEN111	Anatomy I	4(2,1,1)	DEN121	Anatomy II	4(2,1,1)
DEN112	Physiology I	3(2,1,0)	DEN122	Physiology II	3(2,1,0)
DEN113	Biochemistry I	3(2,1,0)	DEN123	Biochemistry II	3(2,1,0)
DEN114	Clinical Skills I	2(1,0,1)	DEN124	Clinical Skills II	2(1,0,1)
DNW116	English Language I	2(2,0,0)	DNV126	English Language II	2(2,0,0)
	First Semester C.H Total	18(13,3,2)		Second Semester C.H Total	18(11,3,4)
Semester 3			Semester 4		
Code	Course	Credit Hours(L, T, P)	Code	Course	Credit Hours(L, T, P)
DEN231	Pathology I	3(2,1,0)	DEN241	Pathology II	3(2,1,0)
DEN232	Microbiology I	3(2,1,0)	DEN242	Microbiology II	3(2,1,0)
DEN233	Dental Anatomy I	3(1,1,1)	DEN243	Dental Anatomy II	3(1,1,1)
DEN234	Pharmacology I	2(2,0,0)	DEN244	Pharmacology II	2(2,0,0)
DEN335	Oral Pathology I	3(2,1,0)	DEN245	Oral Pathology II	3(2,1,0)
DEN236	English Language III	2(2,0,0)	DEN246	English Language IV	2(2,0,0)
DEN237	Dental Materials I	2(2,0,0)	DEN247	Dental Materials II	2(2,0,0)
	First Semester C.H Total	18(13,4,1)		Second Semester C.H Total	18(13,4,1)

Semester 5			Semester 6		
Code	Course	Credit Hours(L, T, P)	Code	Course	Credit Hours(L, T, P)
DEN352	Medicine I	2(2,0,0)	DEN361	Medicine II	2(2,0,0)
DEN353	General Surgery I	2(2,0,0)	DEN362	General Surgery II	2(2,0,0)
DEN354	Preclinical Conservative & Endodontic Dentistry I	3(2,0,1)	DEN363	Preclinical Conservative & Endodontic Dentistry II	3(2,0,1)
DEN355	Preclinical Removable Prosthodontics I	4(2,0,2)	DEN364	Preclinical Removable Prosthodontics II	4(2,0,2)
DEN356	Research Methodology	2(1,1,0)	DEN365	Dental Public Health	2(2,0,0)
DEN357	Oral Medicine	2(2,0,0)	DEN366	Dental Radiology	2(2,0,0)
DEN358	Preclinical Oral & Maxillofacial Surgery	2(1,0,1)	DEN367	Preclinical Periodontics	2(1,0,1)
	First Semester C.H Total	17(12,1,4)		Second Semester C.H Total	17(13,0,4)
Semester 7			Semester 8		
Code	Course	Credit Hours(L, T, P)	Code	Course	Credit Hours(L, T, P)
DEN471	Oral & Maxillofacial Surgery I	3(1,1,1)	DEN481	Oral & Maxillofacial Surgery II	3(1,1,1)
DEN472	Conservative & Endodontic Dentistry I	4(2,0,2)	DEN482	Conservative & Endodontic Dentistry II	4(2,0,2)
DEN473	Periodontics I	3(1,1,1)	DEN483	Periodontics II	3(1,1,1)
DEN474	Removable Prosthodontics I	3(1,1,1)	DEN484	Removable Prosthodontics II	3(1,1,1)
DEN475	Orthodontics I	3(1,1,1)	DEN485	Orthodontics II	3(1,1,1)
DEN476	Fixed Prosthodontics I	2(1,0,1)	DEN486	Fixed Prosthodontics II	2(1,0,1)
DEN477	Pediatric Dentistry I	3(1,1,1)	DEN487	Pediatric Dentistry II	3(1,1,1)
	First Semester C.H Total	21(8,5,8)		Second Semester C.H Total	21(8,5,8)

Semester 9			Semester 10		
Code	Course	Credit Hours(L,T, P)	Code	Course	Credit Hours(L,T, P)
DEN591	Oral and Maxillofacial Surgery III	3(1,1,1)	DEN501	Comprehensive Dental Care	14(0,0,14)
DEN592	Conservative & Endodontic DentistryV	3(1,1,1)	DEN502	Advanced Dental Practice	4(0,0,4)
DEN593	Periodontics III	3(1,1,1)	DEN503	Research Project	2(0,2,0)
DEN594	Removable Prosthodontics V	3(1,1,1)			
DEN595	Fixed Prosthesis III	3(1,1,1)			
DEN596	Orthodontic III	3(1,1,1)			
DEN597	Pediatric Dentistry III	3(1,1,1)			
	First Semester C.H Total	21(7,7,7)		First Semester C.H Total	20(0,2,18)
	C.H Total	189(98,34,57)			

### Faculty of Pharmacy

Semester 1			Semester 2		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
PHA113	Mathematics	3(,2,1,0)	ARQ2	Arabic Language I	2(2,0,0)
RSQ1	Religious Studies	2(2,0,0)	PHA122	Organic Chemistry I	2(2,0,0)
ARQ1	Arabic Language I	2(2,0,0)	PHA126	Scientific English	2(2,0,0)
PHV119	Scientific English I	3(3,0,0)	PHA124	Pharmaceutical Botany	3(2,0,1)
PHA114	General Biology	3(2,0,1)	PHW128	Religious Studies	2(2,0,0)
PHW117	Computer Studies	1 (0,0,1)	PHA123	Pharmaceutics I	4(3,1,0)
PHA115	Physics	3(2,0,1)	PHA121	Analytical Chemistry I	2(1,1,0)
	General chemistry	4(3,0,1)	PHA125	Gross Anatomy	3(2,1,0)

Semester 3			Semester 4		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
PHA234	Organic Chemistry III	2(2,0,0)	PHA246	Biochemistry II	2(2,0,0)
PHA231	Pharmaceutics II	4(3,0,1)		Pharmacy Practice I	3(2,1,0)
PHA232	Analytical Chemistry II	4(3,0,1)	PHA244	Organic Chemistry IV	2(2,0,0)
PHA236	Biochemistry I	3(2,0,1)	PHA242	Analytical Chemistry III	1(1,0,0)
PHA233	Pharmacognosy I	3(2,0,1)	PHA243	Pharmacognosy II	3(2,0,1)
PHA235	Human Physiology I	4(3,1,0)	PHA241	Pharmaceutics III	3(2,0,1)
			PHA245	Human Physiology II	3(3,0,0)
			SIU 004		
Semester 5			Semester 6		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
PHA356	Microbiology I	3(2,0,1)	PHA361	Analytical Chemistry V	4(3,0,1)
	Pharmacology I	3(3,0,0)	PHA366	Pharmacology II	3(2,0,1)
PHA352	Organic chemistry IV	2(2,0,0)	PHA363	Pharmaceutics V	2(2,0,0)
PHA351	Analytical Chemistry IV	(1,0,1)	PHA364	Phyto chemistry II	2(2,0,0)
PHA353	Pharmaceutics IV	4(3,0,1)		Patho physiology	1(1,0,0)
	Pharmacy Practice II	3(2,0,1)	PHA362	Medicinal Chemistry I	3(3,0,0)
	Phyto chemistry I	3(2,0,1)	PHA365	Microbiology II	3(2,0,1)

Semester 7			Semester 8		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
PHA473	Pharmacology III	3(2,0,1)	PHA484	Medicinal Chemistry III	2(2,0,0)
PHA477	Microbiology III	3(2,0,1)	PHA483	Pharmacology IV	3(2,0,1)
PHA472	Phytochemistry II	3(2,0,1)	PHA481	Pharmaceutics III	2(2,0,0)
PHA476	Pharmaceutics VI	4(3,0,1)	PHA485	Pharmacy Practice IV	3(2,0,1)
PHG475	Analytical Chemistry VI	2(1,0,1)	PHA487	Analytical Chemistry VIII	2(2,0,0)
PHA474	Medicinal Chemistry II	2(2,0,0)	PHA482	Phytochemistry IV	3(2,0,1)
			PHA486 PHA598	Pharmaceutical Microbiology II Research Methodology	3(2,0,1) 1(1,0,0)
Semester 9			Semester 10		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
	Analytical chemistry VIII	2(1,1,0)		Biotechnology	3(3,0,0)
	Marketing and management	2(2,0,0)		Phyto therapy	3(3,0,0)
PHA596	Biostatistics	3(2,1,0)		Toxicology	3(3,0,0)
PHA593	Pharmacy Practice V	3(2,0,1)		Project	3(0,0,3)
	Project	3(0,0,3)			

Faculty of Nursing Sciences					
Semester 1			Semester 2		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
NUR111	History & Ethics of Nursing	2 (2,0,0)	NUR121	Fundamental of Nursing II	5 (3,0,6)
NUR112	Fundamentals of Nursing I	5 (3,0,6)	NUR122	Microbiology	3 (2,0,3)
NUR113	Anatomy	4 (3,0,3)	NUR123	Community Health I	3 (3,0,0,)
NUR114	Physiology	4 (3,0,3)	NUR124	Nutrition	2 (2,0,0)
NRV115	Computer Applications	2 (1,0,3)	NUR125	Psychology	2 (2,0,0)
NRX116	Arabic Language I	3 (3,0,0)	NUR126	Biochemistry	3 (2,0,3)
NRV117	English Language I	3 (3,0,0)	NRX127	Arabic Language II	3 (3,0,0)
NRV118	Religious Studies I	3 (3,0,0)	NRE128	English language II	3 (3,0,0)
			NRY129	Religious Studies II	3 (3,0,0)
Semester 3			Semester 4		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
NUR211	Pathology	2 (2,0,0)	NUR221	Adults Medical Nursing II	6 (3,0,9)
NUR212	Epidemiology	2 (2,0,0)	NUR222	Adults Surgical Nursing II	6 (3,0,9)
NUR213	Adult Medical Nursing I	6 (3,0,9)	NUR223	Anthropology & Sociology	2 (2,0,0)
NUR214	Adults Surgical Nursing I	6 (3,0,9)	NUR224	Communication Skills	2 (2,0,0)
NUR215	Pharmacology	3 (3,0,0)	NRZ225	Sudanese Studies	2 (2,0,0)
		NUR226	Therapeutic Nutrition	3 (2,0,3)	
		NUR227	Primary Health Care	2 (1,0,3)	

Semester 5			Semester 6		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
NUR311	Genetics	2 (2,0,0)	NUR321	Pediatric Nursing	7 (4,0,9)
NUR312	Pregnant and labor Care	8 (4,0,12)	NUR322	Psychiatric & Mental Nursing Care	7 (4,0,9)
NUR313	Gynecological Nursing	4 (2,0,6)	NUR323	Research Methodology	2 (2,0,0)
NUR314	Geriatric Nursing Care & Geriatric care	4 (2,0,6)	NUR324	Nursing Theories	2 (2,0,0)
NUR315	Educational Technology	2 (2,0,0)	NUR325	Health Economics	2 (2,0,0)
NUR316	Health Statistic	2 (2,0,0)			
NUR317	Orientation & Counseling	2 (2,0,0)			
Semester 7			Semester 8		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
NUR411	Nursing Management	4 (2,0,6)	NUR421	Critical Medical Nursing	3 (1,0,6)
NUR412	Forensic Medicine	2 (2,0,0)	NUR422	Critical labor Nursing	3 (1,0,6)
NUR413	Community Health II	6 (3,0,9)	NUR423	Critical Pediatric Nursing	3 (1,0,6)
NUR414	Research Project (longitudinal)	4 (2,0,6)	NUR424	Critical Surgical Nursing	3 (1,0,6)
NUR415	Emergency Nursing	6 (2,0,4)	NUR425	Research Project	2 (2,0,0)

Faculty of Medical Laboratory Sciences					
Semester 1			Semester 2		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
MLG111	Physiology I	2(2,0,0)	MLG121	Physiology II	2(2,0,0)
MLG112	Anatomy: Gross	2(2,0,0)	MLG122	Anatomy: Normal Histology	3(2,0,1)
MLG113	Biochemistry I	3(2,0,1)	MLG123	Biochemistry II	3(2,0,1)
MLG114	General chemistry	2(2,0,0)	MLX124	Arabic Studies II	2(2,0,0)
MLG115	Medical physics	2(2,0,0)	MLY125	Islamic Studies II	2(2,0,0)
MLX116	Arabic studies I	2(2,0,0)	MLG126	Cell Biology	2(2,0,0)
MLY117	Islamic studies I	2(2,0,0)	MLW127	Computer Application	2(2,0,0)
MLV118	English language I	2(2,0,0)	MLG128	Lab. Safety	2(2,0,0)
MLG119	biomedical statistics	2(2,0,0)	MLV129	English Medical Terminology	2(2,0,0)
Semester 3			Semester 4		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
MLG231	Basic Bacteriology	3(2,0,1)	MLG241	Techniques in Bacteriology	3(2,0,1)
MLG232	Clinical Chemistry I	3(2,0,1)	MLG242	Clinical Chemistry II	3(2,0,1)
MLG233	Basic Haematology I	3(2,0,1)	MLG243	Basic Haematology II	3(2,0,1)
MLG234	Histopathology I	3(2,0,1)	MLG244	Histopathology II	3(2,0,1)
MLG235	Parasitology-Protozology	3(2,0,1)	MLG245	Protozology.Apicomplexa	3(2,0,1)
MLG236	Molecular Biology	2(2,0,0)	MLG246	Instrumentation	2(2,0,1)

Semester 5			Semester 6		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
MLG351	Systemic Bacteriology I	3(2,0,1)	MLG361	Systemic bacteriology II	3(2,0,1)
MLG352	Clinical Chemistry III: Liver, Kidney and Electrolytes	3(2,0,1)	MLG362	Clinical Chemistry IV	3(2,0,1)
MLG353	Haematology I	3(2,0,1)	MLG363	Haematology II	3(2,0,1)
MLG354	Histopathology III	3(2,0,1)	MLG364	Histopathology IV	3(2,0,1)
MLG355	Helminthology	3(2,0,1)	MLG365	Diagnostic Parasitology	3(2,0,1)
MLG356	Medical virology	3(2,0,1)	MLG366	Body Fluid Analysis	3(2,0,1)
MLG357	Immunology	2(2,0,0)	MLG367	In-Service Training	2(0,0,2)
Microbiology					
Semester 7			Semester 8		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
MLM471	Systemic Bacteriology I	4(2,1,1)	MLM481	Systemic Bacteriology II	3(2,0,1)
MLM472	Diagnostic Virology	3(2,0,1)	MLM482	Medical Mycology	3(2,0,1)
MLM473	Research Methodology	2(2,0,0)	MLM483	Research Subject (thesis)	3(2,0,1)
MLM474	Biomedical Statistics	2(2,0,0)	MLM484	In-Service Training II	4(2,1,1)
MLM475	Epidemiology	2(2,0,0)	MLM485	Diagnostic Immunology	3(2,0,1)
MLM476	Laboratory Management	2(2,0,0)	MLM486	Clinical Genetics	2(2,0,1)
MLM477	In-service Training	4(2,1,1)	MLM487	Diagnostic Molecular Biology	3(2,0,1)

Haematology					
Semester 7			Semester 8		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
MLH471	Advance Haematology I	4 (2,1,1)	MLH481	Advance Clinical Haematology II	4(2,1,1)
MLH472	Research Methodology	2(2,0,0)	MLH482	Research Subject (thesis)	3(2,0,1)
MLH473	Biomedical Statistics	2(2,0,0)	MLH483	In-service Training	4(2,1,1)
MLH473	Epidemiology	2 (2,0,0)	MLH484	Diagnostic Immunology	3(2,0,1)
MLH473	Laboratory Management	2 (2,0,0)	MLH485	Clinical Genetics	3(2,0,1)
MLH474	In-service Training	4(2,1,1)	MLH486	Diagnostic Molecular Biology	3(2,0,1)
Clinical Chemistry					
Semester 7			Semester 8		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
MLC471	Advanced Clinical Chemistry	6(4,1,1)	MLC481	Quality control in Clinical Chemistry	3(2,0,1)
MLC472	Research Methodology	2(2,0,0)	MLC482	Research Subject (thesis)	3(0,1,4)
MLC473	Biomedical Statistics	2(2,0,0)	MLC483	In-service Training	4(2,1,1)
MLC474	Epidemiology	2(2,0,0)	MLC484	Diagnostic Immunology	3(2,0,1)
MLC475	Laboratory Management	2(2,0,0)	MLC485	Clinical Genetics	2(2,0,0)
MLC475	In-service Training	4(2,1,1)	MLC486	Diagnostic Molecular Biology	3(2,0,1)

### Medical Parasitology

Semester 7			Semester 8		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
MLP 471	Advanced Medical Parasitology	6(4,1,1)	MLP481	Medical Entomology	3(2,0,1)
MLP472	Research Methodology	2(2,0,0)	MLP482	Research Subject (thesis)	3(0,1,4)
MLP473	Biomedical Statistics	2(2,0,0)	MLP483	In-service Training	4(2,1,1)
MLP474	Epidemiology	2(2,0,0)	MLP484	Diagnostic Immunology	3(2,0,1)
MLP475	Laboratory Management	2(2,0,0)	MLP485	Clinical Genetics	2(2,0,0)
MLP476	In-service Training	4(2,1,1)	MLP486	Diagnostic Molecular Biology	3(2,0,1)

### Histopathology

Semester 7			Semester 8		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
MLS471	Advanced Histopathology	3(2,0,1)	MLS481	Cytology	3(2,0,1)
MLS472	Pathology	3(2,0,1)	MLS482	Histotechnology	2(2,0,0)
MLS473	Research Methodology	2(2,0,0)	MLS483	Research Subject (thesis)	3(0,1,4)
MLS474	Biomedical Statistics	2(2,0,0)	MLS484	In-service Training	4(2,1,1)
MLS475	Epidemiology	2(2,0,0)	MLS485	Diagnostic Immunology	3(2,0,1)
MLS475	Laboratory Management	2(2,0,0)	MLS486	Clinical Genetics	2(2,0,0)
MLS476	In-service Training	4(2,1,1)	MLS487	Diagnostic Molecular Biology	3(2,0,1)

### Faculty of Management Science

Semester 1			Semester 2		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
MSG111	Business Mathematics	3(2,1,0)	MSG121	Principles of Management	3(2,1,0)
MSG112	Organizational Theory	3(2,1,0)	MSG122	Financial Accounting I	3(2,1,0)
MSV113	English I (skills in English)	4(2,2,0)	MSW123	Computer Application I	2(1,0,1)
MSZ114	Sudanese Studies	2(2,0,0)	MSV124	English II (business English)	4(2,2,0)
MSX115	Arabic I	3(3,0,0)	MSX125	Arabic II	3(3,0,0)
MSY116	Religious Studies I	3(3,0,0)	MSZ126	Religious Studies II	3(3,0,0)
Semester 3			Semester 4		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
MSG231	Microeconomics	3(2,1,0)	MSG241	Corporate & Business Law	3(2,1,0)
MSG232	Financial accounting II	3(2,1,0)	MSG242	Macroeconomics	3(2,1,0)
MSG233	Principles of Marketing	3(2,1,0)	MSG243	Intermediate Accounting I	3(2,1,0)
MSG234	Business Statistics	3(2,1,0)	MSG244	Organizational Behavior	3(2,1,0)
MSG235	Business Communication	3(2,1,0)	MSG245	Financial Institutions	3(2,1,0)
MSV236	English III (Advanced Reading and Writing)	4(2,2,0)	MSV246	English IV (English Technical Writing)	4(2,2,0)
			MSW247	Computer Applications II	2(1,0,1)

Business Administration & Marketing Specialization					
Semester 5			Semester 6		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
MSB351	Managerial Economics	3(2,1,0)	MSB361	Business Research Methodology	3(2,1,0)
MSB352	Operation Management	3(2,1,0)	MSA362	Financial Management	3(2,1,0)
MSA353	Intermediate Accounting II	3(2,1,0)	MSA363	Managerial Accounting	3(2,1,0)
MSB354	Procurement Management	3(2,1,0)	MSI364	Management Information system	3(2,1,0)
MSR355	Marketing Management	3(2,1,0)	MSB365	Human Resource Management	3(2,1,0)
MSA356	Cost Accounting	3(2,1,0)	MSB366	Operations Research	3(2,1,0)
MSW357	Computer Application III	2(1,0,1)	MSB367	Marketing Management II	3(2,1,0)
Business Administration Specialization					
Semester 7			Semester 8		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
MSB471	Project Management	3(2,1,0)	MSB481	Strategic management	3(2,1,0)
MSI472	E-Business	3(2,1,0)	MSB482	Risk Management	3(2,1,0)
MSB473	International Business	3(2,1,0)	MSB483	Managerial Decision Making	3(2,1,0)
MSB474	Total Quality Management	3(2,1,0)	MSB484	Business Ethics	3(2,1,0)
MSW475	Computer Application IV	3(2,0,1)	MSB485	Entrepreneurship	3(2,1,0)
MSB476	Islamic Finance	3(2,1,0)	MSB486	Research Project	6(0,0,6)

Marketing Specialization					
Semester 7			Semester 8		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
MSB471	Project Management	3(2,1,0)	MSB481	Strategic management	3(2,1,0)
MSR472	E-commerce	3(2,1,0)	MSR482	Multinational Marketing	3(2,1,0)
MSR473	Sales Management	3(2,1,0)	MSR483	Consumer Behavior	3(2,1,0)
MSB474	Total Quality Management	3(2,1,0)	MSR484	Marketing of Services	3(2,1,0)
MSW475	Computer Application IV	2(1,0,1)	MSR485	Customer Relation Management	2(2,0,1)
MSR476	Marketing Research	3(2,1,0)	MSR486	Research project	6(0,0,6)
MSR477	Islamic Finance	3(2,1,0)			
Accounting Specialization					
Semester 5			Semester 6		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
MSA351	Cost Accounting	3(2,1,0)	MSA361	Accounting For Specialized Financial Institutions	3(2,1,0)
MSA352	International Business	3(2,1,0)	MSA362	Managerial Accounting	3(2,1,0)
MSA353	Intermediate Accounting II	3(2,1,0)	MSA363	Financial Management	3(2,1,0)
MSA354	Government Accounting & Accounting for Nonprofit Organization	3(2,1,0)	MSB364	Business Research Methods	3(2,1,0)
MSI355	E-Business	3(2,1,0)	MSI365	Accounting Information Systems	3(2,1,0)
MSW356	Computer Application II	2(1,0,1)	MSB366	Operations Research	3(2,1,0)
			MSA367	Islamic Accounting	3(2,1,0)

Semester 7			Semester 8		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
MSA471	Financial reporting	3(2,1,0)	MSA481	Accounting Theory	3(2,1,0)
MSA472	Tax Accounting	3(2,1,0)	MSA482	Advanced Audit and Assurance	3(2,1,0)
MSA473	Audit and assurance	3(2,1,0)	MSA483	International Accounting	3(2,1,0)
MSA474	Corporate Finance	3(2,1,0)	MSA484	Corporate Reporting	3(2,1,0)
MSA475	Computerized Accounting Systems	3(2,1,0)	MSA485	Business Ethics	3(2,1,0)
MSA476	Strategic Management	3(2,1,0)	MSA486	Research Project	6(0,0,6)
<b>Management Information System Specialization</b>					
Semester 5			Semester 6		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
MSB351	Managerial Economics	3(2,1,0)	MSB361	Business Research Methodology	3(2,1,0)
MSM352	Operation Management	3(2,1,0)	MSA362	Financial Management	3(2,1,0)
MSM353	Database Management systems I	3(2,0,2)	MSM363	Software Engineering	3(2,0,1)
MSM354	System Analysis and Design I	3(2,0,2)	MSM364	Principles of Programming II	3(2,0,2)
MSR355	Marketing Management	3(2,1,0)	MSB365	Human resource Management	3(2,1,0)
MSM356	Principles of Programming I	3(2,0,3)	MSM366	MIS	3(2,1,0)

Semester 7			Semester 8		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
MSM471	Project Management	4(3,2,0)	MSB481	Strategic Management	3 (2 ,1,0 )
MSM472	E-Business & Internet Techniques	2(2,0,0)	MSM482	Computer Networks	3(2,0,2)
MSM473	GUI programming	3(2,0,2)	MSM483	Advanced Internet Technologies	3(2,0,2)
MSB474	Total Quality Management	3(2,1,0)	MSM484	Enterprise Resource Planning	3(2,0,2)
MSM475	Database Management Systems II	3(2,0,2)	MSM485	Current issues in MIS	3(2,1,0)
MSM476	IT Management	4(3,2,0)	MSM486	Research Project	6(0,0,12)
<b>Faculty of Economic, Financial and Banking Studies</b>					
Semester 1			Semester 2		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
ECG111	Introduction to Economics I	3(2,2,0)	ECG121	Introduction to Economics II	3(2,2,0)
ECG112	Fundamental of Algebra	3(2,2,0)	ECG122	Descriptive of Statistics	3 (2,2,0)
ECG113	Financial Accounting	3(2,2,0)	ECG123	Principles of Management	3(3,0,0)
ECG114	Introduction to Social Sciences	3(3,0,0)	ECG124	Calculus	3(2,2,0)
ECX115	Arabic Language I	2(2,0,0)	ECX125	Arabic Language II	2(2,0,0)
ECV116	English Language I	2(2,0,0)	ECV126	English Language II	2(2,0,0)
ECY117	Religious Studies I	3(3,0,0)	ECZ127	Sudanese Studies	3(3,0,0)
ECW118	Computer Application I	3(2,0,2)	ECY128	Religious Studies II	3(3,0,0)

Semester 3			Semester 4		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
ECG231	Microeconomics I	3(2,2,0)	ECG241	Principles of Banking & Finance	3(3,0,0)
ECG232	Statistical Inference	3 (2,2,0)	ECG242	Sudan Economy	3(3,0,0)
ECG233	Macroeconomics I	3 (2,2,0)	ECG243	Islamic Economics	3(3,0,0)
ECG234	Money & Banking	3(3,0,0)	ECG244	Intermediate Accounting	3(2,2,0)
ECC235	Computer Application II	3(2,0,2)	ECG245	Commercial Law	3(3,0,0)
ECV236	English For Economics & Finance	2(2,0,0)	ECG246	Principles of Marketing	3(3,0,0)
ECG237	Principles of Insurance	3(3,3,0)	ECV247	English Language III	2(2,0,0)
<b>Economics</b>					
Semester 5			Semester 6		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
ECE351	Probability Distributions	3(2,2,0)	ECE361	Mathematical Economics	3(2,2,0)
ECE352	Applied Economics	3(3,0,0)	ECE362	Research Methodology	3(3,0,0)
ECE353	Economic Development	3(3,0,0)	ECE363	Comparative Economic Systems	3(3,0,0)
ECE354	Public Finance	3(3,0,0)	ECE364	Statistical Packages	3(2,0,2)
ECE355	Project & Feasibility Studies	3(3,0,0)	ECE365	Econometrics I	3(2,2,0)
ECE356	Microeconomics II	3(2,2,0)	ECE366	Economic Planning	3(3,0,0)

Semester 7			Semester 8		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
ECE471	International Economics	3(2,2,0)	ECE481	Advanced Macroeconomics	3(3,0,0)
ECE472	Econometrics II	3(2,2,0)	ECE482	History of Economic Thoughts	3(3,0,0)
ECE473	Electronic Commerce	3(2,0,2)	ECE483	International Financial Institutions	3(3,0,0)
ECE474	Mathematical Economics II	3(2,2,0)	ECE484	Monetary Theory	3(3,0,0)
ECE475	Macroeconomics II	3(3,0,0)	ECE485	Research Project	3(0,0,6)
ECE476	Advanced Microeconomics	3(3,0,0)			
<b>Financial &amp; Banking Studies</b>					
Semester 5			Semester 6		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
ECB351	Marketing of Banking Services	3(2,2,0)	ECB361	Bank Management	2(2,0,0)
ECB352	Jurisprudence of Islamic Transactions	2(2,0,0)	ECB362	Practice of Banking	4(2,2,2)
ECB353	Financial Investment	3(2,2,0)	ECB363	Financial Analysis 7 Interpretation	3(2,2,0)
ECB354	The Law of Banking	3(2,2,0)	ECB364	Islamic Banking	2(2,0,0)
ECB355	Project appraisal	3(2,2,0)	ECB365	Financial Institutions & Markets	2(2,0,0)
ECB356	Sudanese Banking Acts	2(2,0,0)	ECB366	Econometrics	3(2,2,0)
ECB357	International Financial & Banking Legislations	3(2,2,0)	ECB367	Research Methodology	3(2,2,0)
ECB358	Micro-Finance	2(2,0,0)			

Semester 7			Semester 8		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
ECB471	Finance of International Trade I	4(2,2,0)	ECB481	Finance of International Trade II	3(2,2,0)
ECB472	E- Banking & Commerce	3(2,0,2)	ECB482	Monetary Theory	3(3,0,0)
ECB473	Current Issues in Banking & Finance	2(2,0,0)	ECB483	Bank Accounting	3(2,2,0)
ECB474	Bank Risk Management	3(2,2,0)	ECB484	Computer Applications in Banking Finance	3(2,0,2)
ECB475	International Economics	2(2,0,0)	ECB485	Research Project	3(0,0,6)
ECB476	Investment Trust & Portfolio	3(2,0,2)			
ECB477	Islamic Modes of Finance	2(2,0,0)			

### Faculty of Computing and Information Systems

Semester 1			Semester 2		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
CPG111	Introduction to Computer Systems	3(2,0,2)	CPG121	Mathematics for Computer Science II	3(2,1,0)
CPG112	Mathematics for Computer Science I	3(2,1,0)	CPG122	Physics	4(3,0,3)
CPG113	Linear Algebra	4(2,2,0)	CPG123	Calculus	4(2,2,0)
CPW114	Computer Applications	3(2,0,2)	CPG124	Programming Fundamentals	3(2,0,3)
CPY115	Religious Studies I	3(3,0,0)	CPG125	Introduction to Information Systems	3(2,2,0)
CPX116	Arabic Language I	3(3,0,0)	CPY126	Religious Studies II	3(3,0,0)
CPV117	English Language I	2(2,0,0)	CPV127	English Language II	2(2,0,0)

Semester 3			Semester 4		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
CPG231	Fundamentals of Management	3(2,1,0)	CPG241	Computer Systems Architecture	3(2,1,0)
CPG232	Elements of Marketing	3(2,1,0)	CPG242	Human Computer Interaction	3(2,0,2)
CPG233	Object Oriented Programming	3(2, 0,3)	CPG243	Fundamentals of Database Systems	3(2,0,2)
CPG234	Digital Systems	3(2,0,2)	CPG244	Data Structures & Algorithms	3(2,0,2)
CPG235	Statistics & Probability	3(2,1,0)	CPG245	Networking Fundamentals	3(2,0,2)
CPG236	Internet Systems Design	2(2,0,0)	CPG246	Systems Analysis & Design	3(2,0,2)
CPV237	Language English III	2(2,0,0)	CPX247	Arabic Language II	3(2,0,2)

### Business Computing Department

Semester 5			Semester 6		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
CPB351	Object Oriented Analysis & Design I	3(2,0,2)	CPB361	Object Oriented Analysis & Design II	3(2,0,2)
CPG352	Database Design & Trans Processing	3(2,0,2)	CPG362	Fundamentals of Artificial Intelligence	3(2,0,2)
CPG353	GUI Programming	3(2,0,2)	CPB363	Advanced Internet Technologies	3(2,0,2)
CPB354	Marketing Management	3(2,0,0)	CPB364	Financial Accounting	3(2,1,0)
CPB355	Principles of Accounting	3(2,1,0)	CPB365	Human Resource Management	3(2,1,0)
CPB356	Principles of Economics	3(2,1,0)	CPG366	Professional Issues	3(2,1,0)
CPZ357	Sudanese Studies	3(3,0,0)	CPB367	Business Law	3(2,1,0)
CPB358	Organizational Behavior	3(2,1,0)			

Semester 7			Semester 8		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
CPB471	Software Project Management	3(2,0,2)	CPB481	Enterprise Resource Planning	3(2,0,2)
CPB472	Financial Management	3(2,1,0)	CPG482	Modelling and Simulation	3(2,0,2)
CPB473	Software Quality Assurance	3(2,1,0)	CPB483	Management Accounting	3(2,1,0)
			CPG484	Project	6(0,0,15)
Plus 2 Options From the list below:			Plus 2 Options From the list below:		
CPB475	e-Business	3(2,1,0)	CPB485	Managerial Economics	3(2,1,0)
CPB476	Information Systems Development	3(2,1,0)	CPB486	Strategic Management	3(2,1,0)
CPB477	Operations Management	3(2,1,0)	CPB487	Marketing Strategy	3(2,1,0)
CPB478	Data Warehousing	3(2,0,2)	CPB488	e-Commerce Systems	3(2,1,0)
Network Management & Design Department					
Semester 5			Semester 6		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
CPN351	Computer Security	3(2,0,2)	CPN361	Network Implementation	4(3,0,2)
CPN352	Network Applications	3(2,0,2)	CPG362	Fundamentals of Artificial Intelligence	3(2,0,2)
CPN353	Network Routing Protocols	4(3,0,2)	CPN363	Data Communications and Networks	4(3,0,2)
CPG354	Database Design & Trans Processing	3(2,0,2)	CPN364	Network Operating Systems	3(2,0,2)
CPG355	GUI Programming	3(2,0,2)	CPN365	Communications Technology	3(2,0,2)
CPN356	Computer Operating Systems	4(3,0,2)	CPG366	Professional Issues	3(2,2,0)
CPZ357	Sudanese Studies	3(3,0,0)			

Semester 7			Semester 8		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
CPN471	Network Management	4(3,0,2)	CPN481	Network Design	4(3,0,2)
CPN472	Distributed Systems	4(3,0,2)	CPN482	IT Management	4(3,2,0)
			CPN483	Project	6(0,0,15)
Plus 2 Options From the list below:			Plus 2 Options From the list below:		
CPN474	Communication Signal Processing	3(2,0,2)	CPN484	Network Security	3(2,0,2)
CPN475	Network Programming	3(2,0,2)	CPN485	Wireless Systems	3(2,0,2)
CPN476	Advanced Linux Administration	3(2,0,2)	CPN486	Directory Services	3(2,0,2)
CPN477	Operations Management	3(2,0,2)	CPG482	Modeling & Simulation	3(2,0,2)
Internet Systems Development					
Semester 5			Semester 6		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
CS305	Object Oriented Analysis & Design I	3(2,0,2)	CS308	Object Oriented Analysis & Design II	3(2,0,2)
ND302	Client Side Scripting	3(2,0,2)	ND305	Server Side Web Development	3(2,0,2)
IT 304	Networking Protocols	3(2,0,2)	ND306	Web Site Styling & Layout	3(2,0,2)
CS306	Database Design & Trans Processing	3(2,0,2)	ND307	Multimedia for Web Designers	3(2,0,2)
CS307	GUI Programming	3(2,0,2)	ND303	Web Publishing	3(2,0,2)
ND304	Visual Design For The Web	3(2,0,2)	CS309	Computer Operating Systems	3(2,0,2)
HU306	Sudanese Studies	2(2,0,0)	HU311	Professional Issues	3(2,2,0)

Semester 7			Semester 8		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
WS401	Web Architecture	3(2,0,2)	WS403	Web Server Management	3(2,0,2)
ND409	Rich Internet Applications	3(3,0,2)	WS404	Web Application Security	3(2,0,2)
WS402	Web Application Engineering	3(2,0,2)	ND408	Advanced Web Publishing	3(2,0,2)
PR401	Graduation Project I	3(0,0,9)	PR401	Graduation Project II	6(0,0,18)
<b>Plus 2 Options From the list below:</b>			<b>Plus 1 Option From the list below:</b>		
IT405	Internet & Network Services	3(2,0,2)	WS406	Web Services	3(2,0,2)
IS404	e-Business	3(2,0,2)	WS407	Web Mining	3(2,0,2)
WS405	Semantic Web	3(2,0,2)	CS410	Database Programming	3(2,0,2)
Information Management and Security					
Semester 5			Semester 6		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
IA301	Information Assurance & Security	3(2,2,0)	IT306	Windows Server Networking	3(3,0,2)
IA302	Cryptographic Mechanisms and Applications	3(2,0,2)	IM301	Information Organization and Content Management	3(2,0,2)
CS305	Database Design & Trans Processing	3(2,0,2)	IA303	Information Systems Risk Management	3(3,0,2)
CS306	GUI Programming	3(2,0,2)	IA304	Secure Software Development	3(2,0,2)
CS307	Computer Operating Systems	3(2,0,2)	IA305	Database Security	3(2,0,2)
CS308	Fundamentals of Artificial Intelligence	3(2,0,2)	HU311	Professional Issues	3(2,2,0)
IT305	Networking Protocols	3(2,0,2)	IM302	Data Mining and Business Intelligence	3(2,0,2)
TR301	Practical Training				

Semester 7			Semester 8		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
IA407	Networks and Communications Security	3(2,0,2)	IA406	Enterprise Security	3(2,0,2)
IA408	Digital Forensics	4(2,2,2)	IA410	Information Security Audit and Governance	3(2,0,2)
IM403	Information Retrieval	3(2,0,2)	IA411	Web Security	3(2,0,2)
IM404	Records management	3(2,0,2)	PR401	Graduation Project II	6(0,0,18)
PR401	Graduation Project I	3(0,0,9)			
<b>Plus 1 Option From the list below:</b>			<b>Plus 1 Option From the list below:</b>		
IA409	Ethical Hacking	3(2,0,2)	IT407	Linux administration	3(2,0,2)
IM405	Knowledge Management	3(2,0,2)	IM407	IT Management	3(2,2,0)
IS403	Managing and Developing Information Systems	3(2,0,2)	IM408	GeoSpatial Data Management	3(2,0,2)
IM406	Business Information Management	3(2,0,2)			

### Faculty of Tourism and Hotel Management

#### Department of Tourism management

Semester 1			Semester 2		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
THG111	Fundamentals of Tourism	4(4,0,0)	THG121	Principles of Management	3(3,0,0)
THG112	Introduction to Hospitality Industry	4(4,0,0)	THG122	Sudan History and Archeology	3(3,0,0)
THG113	Islamic Studies	2(2,0,0)	THG123	Tourism Geography of Sudan	3(3,0,0)
THG114	Computer (Principles)	2(2,0,0)	THG124	Principles of Public Health	3(3,0,0)
THG115	Arabic Language I	3(3,0,0)	THG125	Arabic Language (II)	3(3,0,0)
THG116	English Language (Introductory -I)	6(4,0,4)	THG126	English Language (Introductory -II)	6(4,0,4)
Semester 3			Semester 4		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
THG231	Principles of economics	3(3,0,0)	THT241	Tourism Organization	3(3,0,0)
THG232	Basic Accounting	3(3,0,0)	THG242	Principles of Statistics	2(2,0,0)
THT233	Office Tourism Management	4(2,0,4)	THT243	Tourism Economics	3(3,0,0)
THT234	Domestic and International Tourism	4(3,0,2)	THG244	Tourist Media	2(2,0,0)
THG235	Computer Application I	4(2,0,4)	THT245	Tourism Transportation	3(3,0,0)
THG236	English Language III	6(4,0,4)	THG246	English Language IV	6(4,0,4)

Semester 5			Semester 6		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
THG351	Human Resources for Tourism & Hotels	2(2,0,0)	THG361	Cost Accounting for Tourism & Hotels	2(2,0,0)
THT352	Tourism Planning and Development	3(3,0,0)	THT362	Travel Agency	4(2,0,4)
THT353	Principles of Marketing	3(3,0,0)	THG363	Marketing for Tourism & Hospitality.	2(2,0,0)
THT354	Information Technology	3(3,0,0)	THG364	Consumer Behavior for Tourism & Hotels	2(2,0,0)
THT355	Wild Life Management	4(3,0,2)	THT365	Tourism Guidance	4(2,0,4)
THG356	English Language V	6(4,0,4)	THG366	English Language VI	6(4,0,4)
Semester 7			Semester 8		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
THG471	Feasibility Studies for Tourism & Hosp Projects	2(2,0,0)	THT481	New Trends in Tourism	3(3,0,0)
THG472	Tourism & Hotels Legislations	2(2,0,0)	THT482	Eco Tourism	2(2,0,0)
THT473	Airlines Operation I	4(2,0,4)	THT483	Airlines Operation II	4(2,0,4)
THT474	Selected Topics in Tourism (seminar)	3(2,0,3)	THG484	Public Relations	3(3,0,0)
THT475	Tourist Research Project I	3(2,0,3)	THT485	Tourism Research Project II	3(1,0,4)
THG476	English Language VII	6(4,0,4)	THG486	English Language VIII	6(4,0,4)

Department of Hotel Management (THH)					
Semester 1			Semester 2		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
THG111	Fundamentals of Tourism	4(4,0,0)	THG121	Principles of management	3(3,0,0)
THG112	Introduction to Hospitality Industry	4(4,0,0)	THG122	Sudan History and Archeology	3(3,0,0)
THG113	Islamic Studies	2(2,0,0)	THG123	Tourism Geography of Sudan	3(3,0,0)
THG114	Computer (Principles)	2(2,0,0)	THG124	Principles of Public Health	3(3,0,0)
THG115	Arabic Language I	2(2,0,0)	THG125	Arabic Language (II)	2(2,0,0)
THG116	English Language (Introductory -I)	6(4,0,4)	THG126	English Language (Introductory -II)	6(4,0,4)
Semester 3			Semester 4		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
THG231	Principles of economics	3(3,0,0)	THH241	Housekeeping Management	4(2,0,4)
THG232	Basic Accounting	3(3,0,0)	THG242	Principles of Statistics	2(2,0,0)
THH233	Principles of Food Sciences	3(2,0,2)	THH243	Principles of Nutrition	2(2,0,0)
THH234	Hotels Management and Operations	4(3,0,2)	THG244	Information Technology In Tourism & Hotels	3(2,0,2)
THG235	Computer (Application)	4(2,0,4)	THH245	Front Office Management	4(2,0,4)
THG236	English Language III	6(4,0,4)	THG246	English Language IV	6(4,0,4)

Semester 5			Semester 6		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
THG351	Human Resources Management for Tourism & Hotels	2(2,0,0)	THG361	Cost Accounting for Tourism & Hospitality	2(2,0,0)
THH352	Food & Beverage Management and Operations I	4(2,0,4)	THH362	Food & Beverage Management and operations II	3(2,0,2)
THH353	Principles of Marketing	3(3,0,0)	THG363	Marketing for Tourism & Hospitality	2(2,0,0)
THH354	Sanitation and Safety Management	3(2,0,2)	THG364	Tourism and Hospitality Laws & Legislations	3(2,2,0)
THH355	Hotel Facilities Design & Planning	3(2,0,2)	THH365	Menu Design & Planning	4(2,0,4)
THG356	English Language V	6(4,0,4)	THG366	English Language VI	6(4,0,4)
Semester 7			Semester 8		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
THG471	Public Relation	2(2,0,0)	THH481	Restaurant Management	2(2,0,0)
THG472	In- flight Catering Management	2(2,0,0)	THH482	Quality Management in Hospitality Enterprises	3(3,0,0)
THH473	Hospitality Management Accounting	4(3,0,2)	THH483	Event Management	3(3,0,0)
THH474	Selected Topics in Hospitality Industry	3(1,0,4)	THG484	Purchasing-Selection - Procurement For Hospitality	3(3,0,0)
THH475	Tourism Research Project 1	3(1,0,4)	THH485	Hospitality Research Project II	3(1,0,4)
THG476	English Language VII	6(4,0,4)	THT486	English Language VIII	6(4,0,4)

### Faculty of Engineering Course Plan final

#### Networks and Communication Engineering

Semester 1			Semester 2		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
ISL1101	Islamic Studies I	3	ISL1202	Islamic Studies II	3
ARB1101	Arabic Language I	3	ARB1202	Arabic Language II	3
ENG1101	English Language I	2	ENG1202	English Language II	2
MTH1101	Algebra & Geometry	3	MTH1203	Calculus II	3
MTH1102	Calculus I	3	MTH1204	Complex Variables	3
PHY1101	Physics I	3	PHY1202	Physics II	3
CHM1101	General Chemistry	3	GEN1201	Engineering Mechanics	3
CMP1101	Introduction to Computing	3	CMP1202	Computer Programming	3
			WST1201	Workshop Training	0
Semester 3			Semester 4		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
SDS2101	Sudanese Studies	2	GEN2203	Environmental Studies	2
ENG2103	English Language III	2	MTH2206	Mathematical Methods	3
GEN2102	Engineering Drawing I	3	ELE2203	Electric circuits II	3
MTH2105	Differential Equations	3	ELE2204	Digital Electronics I	3
ELE2101	Electric circuits I	3	ELE2205	Analog Electronics I	3
ELE2102	Semiconductor Electronics	3	ELE2206	Electrical Drawing	3
GEN2103	Mechanics of Materials	2	CMP2203	Object Oriented Programming	3

Semester 5			Semester 6		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
GEN3104	Engineering Thermodynamics	2	MTH3208	Probability & Statistics	3
MTH3107	Numerical Methods	3	CMP3207	Computer Applications	3
CMP3105	Data Structure & Algorithms	2	CMP3209	Microprocessors & Assembly	3
ELE3107	Digital Electronics II	3	ELE3211	Signals & Systems	3
ELE3108	Analog Electronics II	3	ELE3212	Electrical Machines	3
ELE3109	Electromagnetic Fields	3	ELE3213	PCB Design using OrCAD	2
ELE3110	Electrical & Elec Measurements	3	ELE 3216	Analog Electronics III	3
Semester 7			Semester 8		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
CMP4110	Embedded Systems	3	GEN4205	Engineering Economics	2
CMP4112	Real Time Systems	2	COM4203	Data Communication	3
COM4101	Communication Systems I	3	COM4204	Communication Systems II	3
COM4102	Antennas & Propagation	3	COM4205	Information Theory and Coding	3
ELE4114	Control Systems	3	COM4206	RF & Microwave Engineering	3
ELE4117	Power electronics	3	ELE4218	Digital Signal Processing	3
CMP2204	Computer architecture	2			

Semester 9			Semester 10		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
GEN5106	Engineering Management	2	NET5204	Wireless LAN	3
COM5108	Mobile Communication	3	NET5205	Network Programming	3
COM5109	Optical fiber Comm. Systems	3	NET5206	Convergent Voice & Data Networks	3
NET5101	Computer Networks	3	NET5207	Wireless WAN	3
NET5102	Broadband Comm. Networks	3	NET5208	Network Security	3
NET5103	Satellite Networks	3	PRJ5202	Project II	4
PRJ5101	Project I	2			
<b>Biomedical Engineering</b>					
Semester 1			Semester 2		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
ISL1101	Islamic Studies I	3	ISL1202	Islamic Studies II	3
ARB1101	Arabic Language I	3	ARB1202	Arabic Language II	3
ENG1101	English Language I	2	ENG1202	English Language II	2
MTH1101	Algebra & Geometry	3	MTH1203	Calculus II	3
MTH1102	Calculus I	3	MTH1204	Complex Variables	3
PHY1101	Physics I	3	CHM1202	Organic Chemistry	3
CHM1101	General Chemistry	3	GEN1201	Engineering Mechanics	3
CMP1101	Introduction to Computing	3	CMP1202	Computer Programming	3
			WST1201	Workshop Training	0

Semester 3			Semester 4		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
MTH2104	Differential Equations	3	MTH2206	Mathematical Methods	3
SDS2101	Sudanese Studies	2	BOS2201	Anatomy and Physiology I	3
ENG2103	English Language III	2	GEN2204	Engineering Drawing II	3
GEN2102	Engineering Drawing I	3	ELE2203	Electric circuits II	3
ELE2101	Electric circuits I	3	ELE2204	Digital Logic Design I	3
GEN2103	Principles of Mechanical Engineering	3	ELE2205	Analog Electronics I	3
CHM2103	Biochemistry	3	CMP2203	Object Oriented Programming	3
Semester 5			Semester 6		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
MTH3207	Numerical Methods	3	MTH3106	Probability and Statistics	3
CMP3104	Database Systems	3	BOE3201	Biomechanics	3
ELE3106	Digital Logic Design II	3	ELE3210	Signals & Systems	3
ELE3107	Analog Electronics II	3	ELE3211	Electrical Machines	2
ELE3108	Electrical Measurements	3	ELE3212	Microprocessors	3
BOS3102	Biomedical Physics I	3	BOS3204	Biomedical Physics II	3
BOS3103	Anatomy & Physiology II	3	ELE3213	Transducers and Sensors	3
GEN3104	Material Science	2	ELE2202	Electromagnetic Fields	3

Semester 7			Semester 8		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
ELE4114	Control Systems	3	BOE4205	Hospital Engineering	3
BOE4102	Radiation and Nuclear Medicine	3	BOE4206	Digital Control	3
BOE4103	Biomedical Instrumentation I	3	BOE4207	Digital Image Processing	3
ELE4115	Introduction to Telecommunication	3	BOE4208	Biomedical Instrumentation II	3
ELE4116	Digital Signal Processing	3	SOS4202	Engineering Management	2
BOE4104	Microprocessor Applications	3	CMP4205	Neural Network & Artificial Intelligence	3
TRN4102	Biomedical Engineering Training I	0	BOE4209	Medical Informatics	3
SOS4101	Research Methodology	2	TRN4203	Biomedical Engineering Training II	0
Semester 9			Semester 10		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
BOS5104	Biomaterials	3	BOE5214	Artificial Organs & Tissue Engineering	3
BOE5110	Medical Imaging by Ionising Radiation	3	BOE5215	Medical Imaging by Non-Ionising Radiation	3
SOS5103	Engineering Economics	3	BOE5216	Physiological Modelling	3
BOE5111	Biophotonics	3	SOS5204	Quality Control & Safety	2
BOE5112	Medical Instrumentation Design Based On Microcomputer	3	BOE5217	Rehabilitation Engineering	3
BOE5113	Project I	2	BOE5218	Project II	4

Electronic Engineering					
Semester 1			Semester 2		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
ISL1101	Islamic Studies I	3	ISL1202	Islamic Studies II	3
ARB1101	Arabic Language I	3	ARB1202	Arabic Language II	3
ENG1101	English Language I	2	ENG1202	English Language II	2
MTH1101	Algebra & Geometry	3	MTH1203	Calculus II	3
MTH1102	Calculus I	3	MTH1204	Complex Variables	3
PHY1101	Physics I	3	PHY1202	Physics II	3
CHM1101	General Chemistry	3	GEN1201	Engineering Mechanics	3
CMP1101	Introduction to Computing	3	CMP1202	Computer Programming	3
			WST1201	Workshop Training	0
Semester 3			Semester 4		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
SDS2101	Sudanese Studies	2	GEN2203	Environmental Studies	2
ENG2103	English Language III	2	MTH2206	Mathematical Methods	3
GEN2102	Engineering Drawing I	3	ELE2203	Electric circuits II	3
MTH2105	Differential Equations	3	ELE2204	Digital Electronics I	3
ELE2101	Electric circuits I	3	ELE2205	Analog Electronics I	3
ELE2102	Semiconductor Electronics	3	ELE2206	Electrical Drawing	3
GEN2103	Mechanics of Materials	2	CMP2203	Object Oriented Programming	3

Semester 5			Semester 6		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
GEN3104	Engineering Thermodynamics	2	MTH3208	Probability & Statistics	3
MTH3107	Numerical Methods	3	CMP3207	Computer Applications	3
CMP3105	Data Structure & Algorithms	2	CMP3209	Microprocessors	3
ELE3107	Digital Electronics II	3	ELE3212	Signal & Systems	3
ELE3108	Analog Electronics II	3	ELE3213	Electrical Machines	3
ELE3109	Electromagnetic Fields	3	ELE 3214	Analog Electronics III	3
ELE3110	Electrical & Electronic Measurements	3	ELE3215	Computer Aided Design of Electronic Circuits	2
Semester 7			Semester 8		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
CMP4109	Embedded Systems	3	GEN4205	Engineering Economics	2
CMP4111	Real Time Systems	2	CMP4218	Digital Signal Processing	3
ELE4119	Principles and Utilization of Electronic Domestic Appliances	3	CMP4222	Synthesis & Simulation Using VHDL	3
COM4101	Introduction to Communication Systems	3	CMP4223	Intelligent Robotics	3
ELE4117	Power electronics	3	COM4207	Video & Audio Engineering	3
ELE4116	Control Systems	3	ELE4221	Integrated circuits design	3
ELE4120	Microelectronics Technology	3	ELE4222	Industrial Electronics	3
CMP2204	Computer architecture	2			

Semester 9			Semester 10		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
GEN5106	Engineering Management	2	ELE5227	Medical Electronics	3
ELE5123	Optoelectronics & Laser Engineering	3	CMP5228	Computer Architecture II	3
ELE5124	Transducers & Instrumentation	3	ELE5229	Electronic Product Design	3
CMP5125	Embedded Operating Systems	3	COM5230	Industrial Communication Networks	3
ELE5126	Digital Signal Processors	3	PRJ5202	Project	4
PRJ5101	Project	2			
Computer Systems Engineering					
Semester 1			Semester 2		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
ISL1101	Islamic Studies I	3	ISL1202	Islamic Studies II	3
ARB1101	Arabic Language I	3	ARB1202	Arabic Language II	3
ENG1101	English Language I	2	ENG1202	English Language II	2
MTH1101	Algebra & Geometry	3	MTH1203	Calculus II	3
MTH1102	Calculus I	3	MTH1204	Complex Variables	3
PHY1101	Physics I	3	PHY1202	Physics II	3
CHM1101	General Chemistry	3	GEN1201	Engineering Mechanics	3
CMP1101	Introduction to Computing	3	CMP1202	Computer Programming	3
			WST1201	Workshop Training	0

Semester 3			Semester 4		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
SDS2101	Sudanese Studies	2	GEN2203	Environmental Studies	2
ENG2103	English Language III	2	MTH2206	Mathematical Methods	3
GEN2102	Engineering Drawing	3	ELE2203	Electric circuits II	3
MTH2105	Differential Equations	3	ELE2204	Digital Electronics I	3
ELE2101	Electric circuits I	3	ELE2205	Analog Electronics I	3
ELE2102	Semiconductor Electronics	3	ELE2206	Electrical Drawing	3
GEN2103	Mechanics of Materials	2	CMP2203	Object Oriented Programming	3
Semester 5			Semester 6		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
MTH3107	Numerical Methods	3	MTH3208	Probability & Statistics	3
CMP3105	Data Structure & Algorithms	2	CMP3207	Computer Applications	3
CMP3106	System Analysis and Design	2	CMP3208	Data Base Systems	3
ELE3107	Digital Electronics II	3	CMP3209	Microprocessors & Assembly	3
ELE3108	Analog Electronics II	3	ELE3211	Signals & Systems	3
ELE3109	Electromagnetic Fields	3	ELE3212	Electrical Machines	3
ELE3110	Electrical and Electronic Measurements	3	ELE3213	PCB Design using OrCAD	2

Semester 7			Semester 8		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
CMP4110	Embedded Systems	3	GEN4205	Engineering Economics	2
CMP4111	Programming Languages Concepts	3	CMP4215	Artificial Intelligence	3
CMP4112	Real Time Systems	2	CMP4216	Visual Programming	3
CMP4113	Operating System I	3	CMP4217	Compiler Design	3
CMP4114	Software Engineering	3	COM4203	Data Communication	3
COM4101	Communication Systems I	3	ELE4215	Digital Signal Processing	3
ELE4114	Control Systems	3			
CMP2204	Computer architecture	2			
Semester 9			Semester 10		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
GEN5106	Engineering Management	2	CMP5221	Digital Image Processing	3
CMP5118	System Programming	3	CMP5222	Simulation and Modeling	3
CMP5119	Computer Interfacing	3	NET5204	Network Programming	3
CMP5120	Elective I	3	NET5207	Network Security	3
NET5101	Computer Networks	3	PRJ5202	Project II	4
PRJ5101	Project I	2			

## Control Systems Engineering

Semester 1			Semester 2		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
ISL1101	Islamic Studies I	3	ISL1202	Islamic Studies II	3
ARB1101	Arabic Language I	3	ARB1202	Arabic Language II	3
ENG1101	English Language I	2	ENG1202	English Language II	2
MTH1101	Algebra & Geometry	3	MTH1203	Calculus II	3
MTH1102	Calculus I	3	MTH1204	Complex Variables	3
PHY1101	Physics I	3	PHY1202	Physics II	3
CHM1101	General Chemistry	3	GEN1201	Engineering Mechanics	3
CMP1101	Introduction to Computing	3	CMP1202	Computer Programming	3
			WST1201	Workshop Training	0
Semester 3			Semester 4		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
SDS2101	Sudanese Studies	2	MTH2206	Mathematical Methods	3
ENG2103	English Language III	2	ELE2203	Electric circuits II	4
GEN2102	Engineering Drawing	3	ELE2204	Digital Electronics I	3
MTH2105	Differential Equations	3	ELE2205	Analog Electronics I	3
ELE2101	Electric circuits I	3	GEN2204	Thermodynamics and Heat Transfer	3
ELE2102	Semiconductor Electronics	3	ELE2206	Electrical Drawing	3
GEN2103	Mechanics of Materials	2	GEN2205	Environmental Studies	2

Semester 5			Semester 6		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
MTH3107	Numerical Methods	3	MTH3208	Probability & Statistics	3
ELE3107	Digital Electronics II	3	CMP3203	Computer Applications	3
ELE3108	Analog Electronics II	3	ELE3211	Microprocessors & Assembly Language	3
ELE3109	Electromagnetics	3	ELE3212	Signals & Systems	3
ELE3110	Measurements and Instrumentation	3	EPE3202	Electrical Power Systems	3
EPE3101	Electromechanical Energy Conversion	3	ELE 3213	Analog Electronics III	3
Semester 7			Semester 8		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
GEN4106	Engineering Management	2	GEN4207	Engineering Economics	2
EPE4103	Electric Machines	3	GEN4208	Research Methodology	1
CSE4101	Control Theory	3	ELE4217	Modeling and Simulation	2
COM4101	Communications Systems I	3	ELE4218	Digital Signal Processing	3
ELE4114	Embedded Systems	3	CSE4203	Industrial Electronics	3
CSE4102	Sensors and Transducers	2	CSE4204	Multivariable Control Systems	3
ELE4116	Computer Architecture	3	EPE4208	Power Electronics	3

Semester 9			Semester 10		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
CSE5106	Control Systems Design	3	CSE5211	Adaptive Control	3
CSE5107	Computer Networks	3	CSE5212	Digital Control Systems	3
CSE5108	Fuzzy Control Systems	3	CSE5213	Nonlinear Control	3
CSE5109	Programmable Logic Controllers	3	CSE5214	SCADA Systems Design and Management	3
CSE5110	Elective Course I	3	CSE5215	Elective Course II	2
PRJ5101	Project I	2	PRJ5202	Project II	4
<b>Electric Power Engineering</b>					
Semester 1			Semester 2		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
ISL1101	Islamic Studies I	3	ISL1202	Islamic Studies II	3
ARB1101	Arabic Language I	3	ARB1202	Arabic Language II	3
ENG1101	English Language I	2	ENG1202	English Language II	2
MTH1101	Algebra & Geometry	3	MTH1203	Calculus II	3
MTH1102	Calculus I	3	MTH1204	Complex Variables	3
PHY1101	Physics I	3	PHY1202	Physics II	3
CHM1101	General Chemistry	3	GEN1201	Engineering Mechanics	3
CMP1101	Introduction to Computing	3	CMP1202	Computer Programming	3
			WST1201	Workshop Training	0

Semester 3			Semester 4		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
SDS2101	Sudanese Studies	2	MTH2206	Mathematical Methods	3
ENG2103	English Language III	2	ELE2203	Electric circuits II	4
GEN2102	Engineering Drawing	3	ELE2204	Digital Electronics I	3
MTH2105	Differential Equations	3	ELE2205	Analog Electronics I	3
ELE2101	Electric circuits I	3	GEN2204	Thermodynamics and Heat Transfer	3
ELE2102	Semiconductor Electronics	3	ELE2206	Electrical Drawing	3
GEN2103	Mechanics of Materials	2	GEN2205	Environmental Studies	2
Semester 5			Semester 6		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
MTH3107	Numerical Methods	3	MTH3208	Probability & Statistics	3
ELE3107	Digital Electronics II	3	CMP3203	Computer Applications	3
ELE3108	Analog Electronics II	3	ELE3211	Microprocessors & Assembly Language	3
ELE3109	Electromagnetics	3	ELE3212	Signals & Systems	3
ELE3110	Measurements and Instrumentation	3	EPE3202	Electrical Power Systems	3
EPE3101	Electromechanical Energy Conversion	3	ELE 3213	Analog Electronics III	3

Semester 7			Semester 8		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
GEN4106	Engineering Management	2	GEN4207	Engineering Economics	2
EPE4103	Electric Machines	3	GEN4208	Research Methodology	1
EPE4104	Mechanics of Machines	3	ELE4217	Modeling and Simulation	2
CSE4101	Control Theory	3	EPE4205	Power System Analysis 1	3
COM4101	Communications Systems I	3	EPE4207	Electrical Machines Control	3
ELE4114	Embedded Systems	3	EPE4208	Power Electronics	3
ELE4115	Electromagnetics (2)	2	CSE4216	Applied Control	3
Semester 9			Semester 10		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
CSE5109	Programmable logic Controllers	3	EPE5215	Renewable Energy	2
EPE5110	Power System Analysis 2	3	EPE5216	Power Systems Operation and Control	3
EPE5111	Power System protection	3	EPE5217	Modern Electric Drives	3
EPE5112	Power Distribution Systems	2	EPE5218	High Voltage Engineering	2
EPE5113	Electrical Machines Dynamics	3	EPE5219	Elective Course II	3
EPE5114	Elective Course I	3	PRJ5202	Project II	4
PRJ5101	Project I	2			

Civil Engineering					
Semester 1			Semester 2		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
ISL1101	Islamic Studies I	3	ISL1202	Islamic Studies II	3
ARB1101	Arabic Language I	3	ARB1202	Arabic Language II	3
ENG1101	English Language I	2	ENG1202	English Language II	2
MTH1101	Algebra & Geometry	3	MTH1203	Calculus II	3
MTH1102	Calculus I	3	MTH1204	Complex Variables	3
PHY1101	Physics I	3	PHY1202	Physics II	3
CHM1101	General Chemistry	3	GEN1220	Statics	3
CMP1101	Introduction to Computing	3	CMP1202	Computer Programming	3
			WST1201	Workshop Training	0
Semester 3			Semester 4		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
SDS2101	Sudanese Studies	2	MTH2206	Mathematical Methods	3
ENG2103	English Language III	2	MTH2209	Analytical Geometry	3
GEN2102	Engineering Drawing	3	CE2201	Building and Construction Materials	3
MTH2105	Differential Equations	3	GEN2212	Mechanics of materials 2	3
GEN2109	Engineering Geology	2	MEC2201	Fundamentals of mechanical engineering	2
GEN2110	Mechanics of materials 1	2	CE2202	Structural Drawing	2
ELE2121	Fundamentals of electrical engineering	2	GEN2221	Dynamics	3
GEN2111	Fundamentals of Engineering	2			

Semester 5			Semester 6		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
MTH3107	Numerical Methods	3	MTH3208	Probability & Statistics	3
CE3103	Concrete Technology	3	CE3206	Structural analysis 2	3
CE3104	Structural analysis 1	3	CE3208	Design of Reinforced Concrete Structures 1	3
CE3105	Design of Steel Structures 1	3	GEN3216	Fluid mechanics 2	3
GEN3113	Fluid mechanics 1	3	CE3209	Soil mechanics 1	4
GEN3114	Mechanics of materials 3	3	GEN3217	Survey 2	3
GEN3115	Survey 1	3			
Semester 7			Semester 8		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
CE4110	Soil mechanics 2	3	GEN4208	Research Methodology	1
CE4111	Design of Steel Structures 2	3	HE4201	Highway Engineering	2
CE4112	Design of Reinforced Concrete Structures 2	3	GEN4207	Engineering economics	2
GEN4118	Environmental engineering 1	2	GEN4219	Environmental engineering 2	2
CE4113	Hydrology and hydraulics	3	CE4215	Foundation engineering	3
CE4114	Construction management	3	CE4216	Design Practice	2
			CE4117	Quantity surveying	3
			CMP4203	Computer Applications	2

Semester 9			Semester 10		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
CE5118	Structural Analysis 3	3	CE5221	Bridges engineering	3
CE5119	Theory of plastic analysis	3	CE5222	Design of pre-stressed concrete	3
HE5102	Transportation Engineering	2	CEE5203	Elective Course (3)	3
CE5120	Hydraulic structures	3	PRJ5202	Graduation Project 2	6
CEE5101	Elective Course I	3			
CEE5102	Elective Course I	3			
PRJ5101	Project I	0			
Title please???? no title on microsoft word...					
Semester 1			Semester 2		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
ARC111	Architectural Design (Basic Design) 1	6	ARC121	Architectural Design (Basic Design) II	6
ARC112	Building Construction (Materials) I	3	ARC122	Building Construction II	3
ARC113	Architecture History & Theories I	3	ARC123	Architecture History & Theories II	3
ARC114	Mathematics	2	ARC124	Physics	2
ISL1101	Islamic Studies I	2	ARC125	Computer Introduction	3
ARB1101	Arabic Language I	2	URQ004	Islamic Studies II	2
ENG1101	English Language I	2	URQ005	English Language 2	2
TR01	Workshop Training	0	TR01	Workshop Training	0

Semester 3			Semester 4		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
ARC231	Architectural Design III	6	ARC241	Architectural Design IV	6
ARC232	Building Construction III	3	ARC242	Building Construction IV	3
ARC233	Architecture History & Theories III	3	ARC243	Architecture History & Theories IV	3
ARC234	Environmental Studies	3	ARC244	Building Services (Electricity & lighting ) II	2
ARC235	Building Services (Water supply and sewage) I	2	ARC245	3D Modeling (AutoCAD)	3
ARC236	Computer Aided Drafting	3	URQ009	Sudanese Studies	2
URQ002	Arabic Language II	2			
Semester 5			Semester 6		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
ARC351	Architectural Design V	6	ARC361	Architectural Design VI	6
ARC352	Building services (Air-Conditioning) III	2	ARC362	Building services ( Fire Safety and Acoustics) IV	2
ARC353	Design of Structures I	3	ARC363	Design of Structures II	3
ARC354	Working Drawings I	3	ARC364	Working Drawings II	3
ARC355	Surveying	3	ARC365	Architectural Modeling (ArchiCAD)	3
ARC356	Architecture History & Theories V	3	ARC366	Housing Planning & Design	3
ARC357	Building Construction V	3	TR02	Practical Training	0
TR02	Practical Training	0			

Semester 7			Semester 8		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
ARC471	Architectural Design VII	6	ARC481	Architectural Design VIII	6
ARC472	Visualization and Animation (3DS Max)	3	ARC482	Interior Design	3
ARC473	Construction Management	2	ARC483	Landscape Design	3
ARC474	Urban Planning & Design	3	ARC484	Project Management	2
ARC475	Design of Structures III	3	ARC485	Cost Estimating and Budgeting	3
Semester 9			Semester 10		
Code	Course	Credit Hours (L, T, P)	Code	Course	Credit Hours (L, T, P)
ARC591	Graduation Project I	6	ARC501	Graduation Project II	10
ARC592	Thesis Report	4	ARC502	Critics Rounds II	3
ARC593	Critics Rounds I	3	ARC503	Critics Rounds III	3
ARC594	Prof. Practice & Bldg. Regulations	3			



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Sudan International University