CALEB UNIVERSITY DISTANCE LEARNING CENTRE

B.SC. COMPUTER SCIENCE
(ODL MODE)

DEPARTMENT OF COMPUTER SCIENCE

STUDENT'S HANDBOOK

2025 – 2026 SESSION

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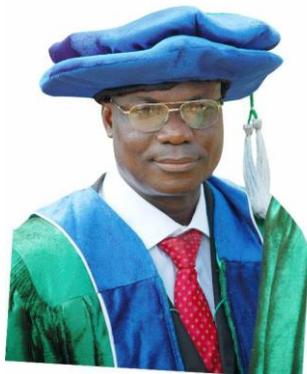VICE-CHANCELLOR
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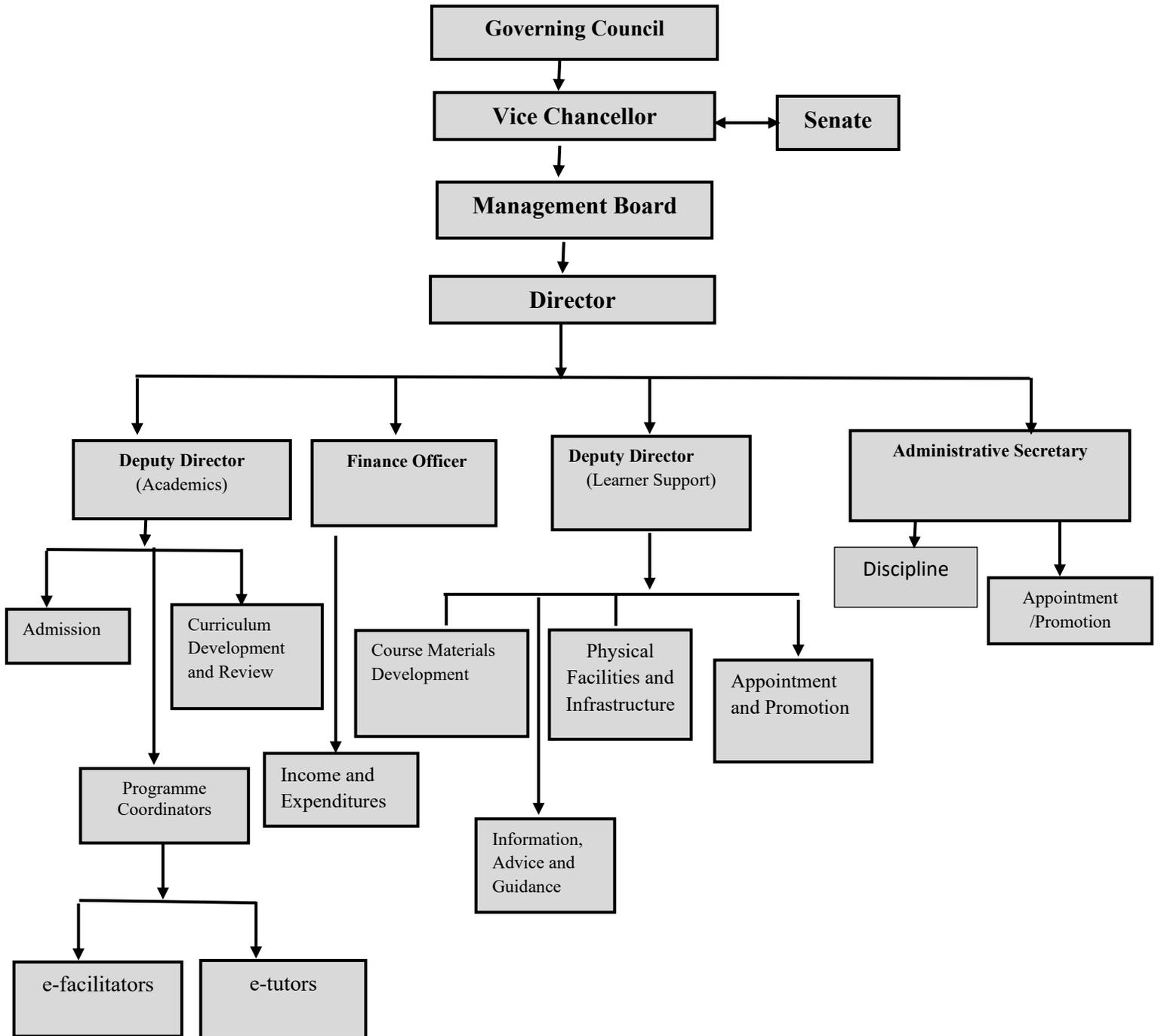
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THE REGISTRAR

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Mr. Adesina Abubakre

THE UNIVERSITY LIBRARIAN

Mr. Josiah Adeyomoye

Organogram of the Centre

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                    Governing Council
                          |
                          v
        Vice Chancellor  <-->  Senate
                          |
                          v
                  Management Board
                          |
                          v
                       Director
                          |
    _____
    |              |                    |              |
    v              v                    v              v
Deputy Director  Finance Officer  Deputy Director  Administrative Secretary
(Academics)                       (Learner Support)
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- Deputy Director (Academics)
  - Admission
  - Curriculum Development and Review
  - Programme Coordinators
    - e-facilitators
    - e-tutors

- Finance Officer
  - Income and Expenditures

- Deputy Director (Learner Support)
  - Course Materials Development
  - Physical Facilities and Infrastructure
  - Appointment and Promotion
  - Information, Advice and Guidance

- Administrative Secretary
  - Discipline
  - Appointment /Promotion

UNIVERSITY ADDRESSES

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	0201-2910685
	0201-2910686

HISTORICAL BACKGROUND OF THE UNIVERSITY

Caleb University, Imota Lagos was given provisional license by the Federal Government of Nigeria to operate as a private university on May, 17, 2007. The Proprietor of the University is International College Ltd, with Dr. Ola Adebogun as the Chairman, and visitor of the university.

The University commenced full academic activities on January, 21, 2008 with admission into three colleges - College of Environmental Sciences and Management Sciences. The university started operations in January, 2008 from its approved take-off site on Ikosi GRA, Off CMD Road from where it moved to the 110-hectare permanent site at Km 15, Ikorodu – Itoikin Road, Imota, Lagos in November, 2009. The University has been producing and mobilizing its graduates for the National Youth Service Scheme since 2011,

In 2012, the National Universities Commission approved the commencement of the part – time programme of the Caleb Business School (CBS), and take – off of the College of Postgraduate Studies, beginning with the MSc. degree in Architecture in March, 2013. The College of Education was approved by the National Universities Commission in August 2018 and the College of Law was approved by both the NUC and the Council for Legal Education in 2021

CALEB UNIVERSITY DISTANCE LEARNING CENTRE (CUDLC)

The University conceived the Open Distance and e-Learning Programme to supplement the regular face-to-face mode of course delivery so as to cater for a larger proportion of the population that might otherwise have not had the privilege of higher education

The University has observed that the distance learning mode of programme delivery is now requisite at this stage in the development of the University. In careful consideration of this trend, the University Senate and Governing Council have with a deep sense of responsibility decided to respond positively by proposing to venture into the distance learning mode, by establishing a Distance Learning Centre, not only for the benefits of the Nigerian people but for the benefits of the entire world. It should be noted here that distance learning is consistent with a core object of the University, declared at inception: "to organize, improve and extend education of a university standard'.

The establishment of open and distance learning education is one of the key institutional strategies to achieve global visibility. While recognizing that no single mode of programme delivery is best for every situation and every type of learning, open distance and e-learning provides substantial advantages over other modes in several areas, including reduced cost and improved access to education. Accordingly, the University is moving aggressively to adopt and apply open and distance learning, where it is the best platform to deliver quality training and education to individuals who may not have access to formal institutions of learning.

The programme will create a wide range of significant benefits and impacts to the university. These include:

- **Global Visibility:** Distance learning education is one of the main drivers for strategic repositioning towards global visibility. As a global facility, distance learning education is critical to establishing the University's niche in the global market place of educational services and can enhance the global ranking of the university.

- **Revenue Generation:** It will generate substantial revenues for the university, thereby contributing to revenue diversification. The exploratory cost-benefit analysis shows that distance learning education will be financially profitable and economically viable in Caleb University.

- **Academic Excellence:** Distance learning education promotes the development of course modules to align with global best practices. The compelling need for world-class course modules will reflect positively on the content and delivery of regular (campus) courses. This will enhance academic excellence, improve international standards and instill greater competitiveness of the University.

- **System innovativeness and Staff Capacity Development:** The use of cutting-edge ICTs occasioned by distance learning education will demonstrate and promote innovativeness and efficiency in the delivery of academic programs. This will stimulate the diffusion of ICTs-based course pedagogy throughout the university.

In this policy document, the philosophy, structure and strategy for the proposed Distance Learning Centre of Caleb University are outline.

VISION, MISSION, PHILOSOPHY, OBJECTIVES AND STRATEGIES OF THE CENTRE

Introduction

The Senate and Governing Council of the Caleb University do recognise the huge demand for the degrees of this University locally and internationally. It is a significant truism that such huge demand can no longer be met by the conventional face-face delivery mode only but by a combination of the face-to-face mode and the open and distance delivery mode. In consideration of this fact, the University Senate and Governing Council approved the open and distance learning (ODL) delivery mode supplemental to the approved Academic Brief of the University. By this approval, the University's mandate has shifted from a uni-mode to a dual mode.

Vision Statement of the Centre

The vision of the Caleb University Distance Learning Centre is to become a first-grade institution in the provision of university education for all categories of persons, without discrimination on the basis of age, race, tribe gender, religion or any other basis of human classification, and to make the delivery flexible as much as possible through the deployment of all media, inclusive of Information and Communication Technology.

Mission Statement of the Centre

The mission of the Caleb University Distance Learning Centre is to provide university education for all classes of persons, without discrimination on the basis of any human grouping such as age, race, tribe gender, religion, and to make the delivery flexible as much as possible, through the deployment of all media, inclusive of Information and Communication Technology.

Philosophy of the Centre

The Caleb University Distance Learning Centre believes that university education should be accessible to all categories of persons without discrimination on the basis of age, race,

tribe gender, religion or any other basis of human classification, and that it should be made as flexible as much as possible by deploying all media, inclusive of the Information and Communication Technology.

Core Mandate and Value Proposition

The core mandate of the Caleb University Distance Learning Centre is to develop and deliver market-oriented and globally competitive academic progrmmes of the Caleb University to candidates in diverse locations around the world through ICT-enabled supported blended learning (IESBL) model. The Centre shall function as "service provider". Its role shall include coordination, facilitation and intermediation in linking the university to students from diverse places and vice versa.

Objectives of the Caleb University Distance Learning Centre

The objectives of the Caleb University Distance Learning Centre shall be to

a. Provide opportunity for all persons that aspire to acquire university education, but are unable because of lack of space to accommodate them in the conventional mode of delivery.

b. Provide multiple media to persons to choose from, whichever is most suitable for their learning needs

c. Provide access to university education for those who because of their peculiar employment conditions cannot acquire or continue their education.

d. Provide community services to the host community through the deployment of appropriate technologies and methodologies.

e. Provide solutions to all forms of challenges experienced by people in society through action researches facilitated by the use of ICT.

f. to encourage the advancement of learning through the deployment of state of the art technology and innovative pedagogy;

g. to hold out to all persons without distinction of race, creed, sex, nationality or political conviction the opportunity of acquiring a higher and liberal education;

h. to provide courses of instruction and other facilities for the pursuit of learning in all its branches, and to make those facilities available on proper terms to such as are equipped to benefit from them;

i. to encourage and promote scholarship and conduct research in all fields of learning and human endeavour;

j. to provide sound moral education with high ethical standards of living to all those who pass through the Centre;

k. to relate its activities to the social and economic needs of the people of Nigeria, within the global context; and

STRATEGIES

To achieve the above objectives, the Centre shall adopt the following specific strategies:

i. Ensure that its admission policy is based on merit without regard to non-academic considerations such as, ethnicity, political affiliation and sex.

i. Design, in liaison with relevant academic departments and units, the academic programmes to be administered through distance learning education methodologies and processes;

ii. Administer and manage distance learning candidates through the entire life-cycle (from admission through graduation) in liaison with the relevant academic and administrative organs of the university;

iii. Organise the development and publication of distance learning education modules and associated learning resources;

iv. Organise the communication and delivery of distance learning course modules and associated learning resources through the learning management systems developed for the purpose;

v. Source, engage and supervise lectures, instructors and resource persons for the delivery of distance learning education programmes;

vi. Undertake periodic reviews of the distance learning education of the university and make recommendations to the Board and the University Senate;

vii. Develop and implement capacity building (training, orientation and skills alignment/upgrading) for lecturers, instructors and resource persons consistent with the requirements of distance learning education programme of the university;

viii. Obtain and report user feedback on distance learning education of the university for the purposes of strategic planning and policy reviews; and

ix. Implement collaboration and partnership with local and/or foreign organizations, universities and institutions for enhancing client base and academic quality.

x. Pursuant to its non-discriminatory policy in admission and employment, the Centre shall be an equal opportunity employer.

ACADEMIC STAFF OF THE DEPARTMENT OF COMPUTER SCIENCE

LIST, STATUS, AND QUALIFICATION OF RESOURCE PERSONS FOR THE PROGRAMME

I. Academic Staff in the Department of Computer Science

SN	NAME	STATUS	QUALIFICATION	AREA OF SPECIALIZATION
1.	Prof. Moses Aregbesola	Full Professor	PhD	Software Engineering
2.	Dr. Adeniyi Akanni	Associate Professor	PhD	Cyber Security
3.	Dr. Peters Oduroye	Senior Lecturer	PhD	Information Science
4.	Dr. Rasheed Ojo	Lecturer II	PhD	Networking
5.	Dr. Omobolaji Odegbesan	Lecturer II	PhD	Information Science
6.	Mr. Anthony Udemba	Lecturer II	MSc	Hardware, AI
6.	Miss Deborah Ilori	Lecturer II	MSc	Artificial Intelligence
7.	Mr. Joseph Oluwadamilare	Lecturer II	MSc	Software Engineering
8.	Mr. Olajide Adegunwa	Assistant Lecturer	MSc	Artificial Intelligence
9.	Mrs. Opeoluwa Ajilore	Assistant Lecturer	MSc	Cyber Security

II.   Other Adjunct Lecturers

SN	NAME	STATUS	QUALIFICATION	AREA OF SPECIALIZATION
1.	Prof. Adetola Adesanya	Full Professor	PhD	Numerical Computation
2.	Dr. Oluwaseun Adeyeye	Senior Lecturer	PhD	Numerical Computation
3.	Dr. Bukola Olanipekun	Lecturer I	PhD	Physics
4.	Dr. Irewola Oludehinwa	Lecturer II	PhD	Physics
5.	Mr. John Fatokun	Assistant Lecturer	MSc	Numerical Computation

I.   Administrative Staff

SN	NAME	STATUS / RANK	QUALIFICATION
1.	Miss Tofunmi Nejo	Secretary	BSc (Bus Admin)

II.   Technical Staff

SN	NAME	STATUS / RANK	QUALIFICATION
1.	Mr. Adewumi Ojo	Principal Technologist	BSc
2.	Mr. Pelumi Fowora	Senior Technologist	BSc
3.	Mr. Rashid Oloko	Senior Technologist	BSc
4.	Mr. Abiodun Agboola	Technologist	MSc
5.	Mr. Theophilus Ajala	Technologist	BSc
6.	Mr. Akinloluwa Ajayi	Computer Operator	BSc

GENERAL ADMISSION REQUIREMENT

1. Admissions into the Year one of B.Sc. Computer Science degree programme shall be open to holders of Senior Secondary School Certificate (SSCE), the General Certificate of Education (GCE) Ordinary level, National Examinations Council (NECO) Certificate Candidates are required to have minimum of Credit grades in five (5) subjects including

Mathematics, English Language, Physics, Chemistry, Biology, Computer Science, and other relevant subjects at not more than two sittings.

2. **Direct Entry**
   The direct entry route will allow students to be admitted into 200 if they meet any of the following requirements
   a. At least two GCE "A" level passes in Computer Science, Mathematics and Physics.
   b. ND with minimum of lower credit in Computer Science/Engineering, Physics or Mathematics.
   c. NCE credit in Computer Science, Mathematics, Physics.
   d. Joint Universities Preliminary Examinations Board (JUPEB)
   e. HND with minimum of lower credit pass in Computer Science
   f. B.Sc./B.Tech. with minimum of Third-Class pass in Computer Science, Mathematics, Physics or any other related field depending on the candidate's academic standing and as determined by Caleb University.

GRADUATION REQUIREMENTS,

Four Years programme For O' level entry mode of four years for student in B.Sc Computer Science programme, the student must take and pass a minimum of 136 Units including all compulsory courses and university required courses.

Direct Entry Students /Four-Year degree programme

For a student to graduate in B.Sc Computer Science, the student must take and pass a minimum of 100 Units including all compulsory courses and university required courses.

Direct Entry Students/ Three-Year Degree Programme

For a student to graduate in B.Sc Computer Science programme, the student must take and pass a minimum of 74 Units including all compulsory courses and university required courses.

SECTION H: DURATION OF PROGRAMME

5 years programme: Minimum of 5 years and Maximum of 10 years

4 years programme: Minimum of 4 years and Maximum of 8 years

3 years programme: Minimum of 3 years and Maximum of 6 years

CLASSIFICATION OF DEGREE

The degrees awarded by the University are classified in the following manner:

First Class	**4.50-5.00**
Second Class Upper	**3.50-4.49**
Second Class Lower	**2.40-3.49**
Third Class	**1.50-2.39**

COURSE OUTLINE FOR THE PROGRAMME

Students admitted into the programme are expected to take the following courses:

Computer Science Curriculum: 100 Level
First (Harmattan) Semester

Course Code	Course Title	Units	Status	CH	PH
COS 101	Introduction to Computer Science	3	C	30	45
COS 103	Electronic Services	2	R	30	0
STA 101	Descriptive Statistics	3	C	45	0
LIB 101	Introduction to Library and Information Science	1	R	15	0
MTH 101	Set and Number System	2	R	30	0
MTH 105	Differential and Integral Calculus	2	R	30	0
PHY 101	General Physics I	3	C	45	0
PHY 107	General Physics Practical I	1	C	0	45
GST 101	Communications in English	2	C	15	45
	Total	**19**			

Second (Rain) Semester

Course Code	Course Title	Units	Status	CH	PH
COS 102	Introduction to Problem Solving	3	C	45	0
COS 104	Introduction to Web Technologies	2	R	30	0
COS 106	Fundamentals of Computing	2	R	30	0
PHY 102	General Physics II	3	C	45	0
PHY 108	General Physics Practical II	1	C	0	45
MTH 102	Algebra	2	C	30	0
MTH 104	Conic Section and Applications of Calculus	2	C	30	0
MTH 106	Vectors and Dynamics	2	C	30	0
GST 112	Nigerian People's and Culture	2	E	30	0
	Total	19			

Keys: LH- Lecture Hour, PH- Practical Hour, E- Elective Courses, R- Required Courses
C – Compulsory courses

200 Level

First (Harmattan) Semester

Course Code	Course Title	Units	Status	CH	PH
COS 201	Computer Programming I	1	C	15	0
COS 203	Discrete Structures	2	C	30	0
COS 205	Digital Logic Design	2	C	30	0
COS 207	Introduction to Software Engineering	2	C	30	0
ENT 211	Entrepreneurship and Innovation	2	C	30	0
MTH 201	Mathematical Methods I	3	C	45	0
MTH 207	Linear Algebra	3	R	45	0
	Total	15			

Second (Rain) Semester

Course Code	Course Title	Units	Status	CH	PH
COS 202	Computer Programming II	1	C	15	0
COS 204	Computer Architecture & Organization	2	C	30	0
GST 212	Philosophy, Logic & Human Existence	2	C	30	0
MTH 216	Introduction to Mathematics Modelling	3	R	45	0
STA 202	Probability Distribution	3	R	45	0
	Total	**11**			

Keys: LH- Lecture Hour, PH- Practical Hour, E- Elective Courses, R- Required Courses
C – Compulsory courses

300 Level

First (Harmattan) Semester

Course Code	Course Title	Units	Status	LH	PH
COS 301	Data Structures	3	C	45	0
COS 303	Expert System Technology	2	R	30	0
COS 305	Data Communication System and Network	3	C	45	0
COS 307	Artificial Intelligence	2	C	30	0
COS 309	System Analysis and Design	3	R	45	0
COS 311	Introduction to Cybersecurity & Strategy	2	C	30	0
COS 313	Compiler Construction I	3	E	45	0
COS 315	Sequential Program	3	E	45	0
COS 317	Formal Models of Computation	2	R	30	0
	Total	**23**			

Second (Rain) Semester

Course Code	Course Title	Units	Status	LH	PH
COS 302	Computer Science Innovation & New Technologies	3	C	45	0
COS 304	Data Management I	3	C	45	0
COS 306	Operating Systems	3	C	45	0
COS 308	Numerical Computation I	3	R	45	0
COS 310	Numerical Computation II	3	R	45	0
ENT 312	Venture Creation	2	C	30	0
	Total				

Keys: LH- Lecture Hour, PH- Practical Hour, E- Elective Courses, R- Required Courses
C – Compulsory courses

400 Level

First (Harmattan) Semester

Course Code	Course Title	Units	Status	LH	PH
COS 401	Algorithm and Complexity Analysis	2	C	30	0
COS 403	Modelling and Simulation	3	E	45	0
COS 405	Human-Computer Interface	2	R	30	0
COS 407	Computer System Performance Evaluation	2	R	30	0
COS 409	Research Methodology and Technical Writing	3	C	45	0
COS 411	Introduction to Data Science	2	E	30	0
COS 413	Introduction to Cryptography	2	E	30	0
INS 401	Project Management	2	C	30	0
	Total	18			

Second (Rain) Semester

Course Code	Course Title	Units	Status	LH	PH
COS 402	Ethics in Computer Science	2	C	30	0
COS 404	Operations Research	2	R	30	0
COS 406	Compiler Construction II	3	E	45	0
COS 408	Computer Graphics and Visualization	2	E	30	0
COS 410	Data Management II	2	E	30	0
COS 412	Special Topics in Computer Science	3	E	45	0
COS 414	Mobile Application Development	2	E	30	0
	Total	**16**			

Keys: LH- Lecture Hour, PH- Practical Hour, E- Elective Courses, R- Required Courses
C – Compulsory courses

COURSE SYNOPSES
100 LEVEL

COS 101: Introduction to Computer Science   **(3 Units)**

COS 101 Introduction to Computer Science is a 3 unit course for students studying towards acquiring a Bachelor of Science in Computer Science. The course is divided into 9 study sessions. It will first introduce the basic computing terms and the history of electronic computers. Thereafter, the manner in which data are represented and manipulated in the computer are discussed. Finally, the student is introduced to the Internet.

COS 102: Introduction to Problem Solving   **(3 Units)**

COS 102 is a 3unit course for students studying towards acquiring a Bachelor of Science Degree in Computer Science. In this course we will explore some topics such as; problems solving through the use of computer, meaning and characteristics of algorithm, pseudocodes and flowcharts to represent algorithms. By delving into these areas, students will gain insights into computer programs and its types, basic principles of computer programming and categories of programming languages.

COS 103: Electronic Services   **(3 Units)**

This is a 2-unit course designed for students pursuing a Bachelor of Science degree. This course provides a comprehensive overview of electronic components and their applications, emphasizing their pivotal role in modern technology. Divided into nine study sessions, the course will cover a variety of topics including the fundamentals of electronic devices, rectifiers, transistors, and communication systems.

COS 104: Introduction to Web Services   **(3 Units)**

COS 104 Introduction to Web Technology is a 2 unit course for students studying towards acquiring a Bachelor of Science in Computer Science. The course is divided into 7 study sessions. It provides a comprehensive introduction to HTML, basic HTML tags and structure of the HTML language. Thereafter, how programs can be written using JAVASCRIPT is discussed and finally the students are introduced to JDBC architecture.

COS 106: Fundamentals of Computing   **(3 Units)**

COS 106 is a 2 Unit course for students studying towards acquiring a Bachelor of Science degree in Computer Science. This course focuses on the design of algorithms, emphasizing the application and problem-solving skills. It explores various data processing models, including time-sharing, multi-user systems, real-time processing, process control, and batch processing. Additionally, the

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course covers the fundamentals of computer networks and the internet, along with an in-depth study of computer viruses, including their types, causes, and prevention methods. Through this course, students will gain advanced algorithmic skills and a comprehensive understanding of different data processing and networking models, as well as strategies to protect against computer viruses.

GST 101: **Communication in English**   **(2 Units)**

GST 101 is a 2 Unit course for students studying towards acquiring a Bachelor of Science degree. In this course, we will explore a wide range of topics which includes factors that could affect you in concentrating while studying, how to make use of personal timetable and study materials. You will also be exposed to the reasons why you should read effectively for comprehension and summary; what you could do to improve your memory and mental skills; and how you could find reading interesting and effective. Moreover, the course will address the types, basic features, rudiments and technicalities of the four language skills as well as their grammatical functions and word class.

GST 112: **Nigerian Peoples' and Culture**   **(2 Units)**

GST 112 is a 2 unit course for students studying towards acquiring a Bachelor of Science Degree. In this course we will explore a wide range of topics such as notable ethnic groups in Northern Nigeria, notable ethnic groups in southern Nigeria, cultural areas of Nigeria and their characteristics, cultural zones in Nigeria, evolution of Nigeria, amalgamation, reasons for the amalgamation and constitutional developments. By delving into these areas, students will gain insights into the economy and national development, major problems of the Nigerian economy, citizenship education, rights, duties and obligations of a citizen, patterns of citizenship acquisition and the negative attitudes of Nigerian youth. Moreover the course will address Nigerian environmental problems and possible solutions.

LIB 101: **Introduction to Library and Information Science**   **(2 Units)**

LIB 101 - Introduction to Library and Information Science is a 1 credit Unit course for students studying towards acquiring a Bachelor of Science degree. It covers the Introductions to Library and information science, Relationship between library and information science, Theoretical and philosophical foundations of library and information science, Origin, growth and development of library and information science, Contribution of great scholars towards library an information science, Need for the study and practice of library and information science, library and information

science education in Nigeria, relationship between LIS and other fields of study, the future of library and information science.

MTH 101: Set and Number System (3 Units)

MTH 101 is a 2 Unit course for students studying towards acquiring a Bachelor of Science degree in Computer Science. This course introduces the foundational concepts of set theory, covering definitions, finite and infinite sets, equality, subsets, unions, intersections, and complements. Students will learn about Venn diagrams, symmetric differences, power sets, De-Morgan's theorems, and the Inclusion-Exclusion principle, along with elements of relations and functions. The course also explores properties of number systems, including natural numbers, integers, rational, irrational, and real numbers, and their relationships on the number line. Additionally, it covers complex numbers, focusing on their definition, arithmetic operations, geometric interpretation, polar representation, De-Moivre's theorem, and the calculation of nth roots and roots of unity.

MTH 102: Algebra (3 Units)

MTH 102: Algebra is a 2 Unit course for students studying towards acquiring a Bachelor of Science degree in Computer Science. This course delves into quadratic and other polynomial functions, covering the elementary properties of quadratic expressions, the roots of quadratic equations, and their applications to symmetric functions. It also examines polynomial functions of third and fourth degrees, the remainder theorem, and the location of roots. Students will explore permutations and combinations, including the concepts of factorials, permutations, combinations, and their applications, alongside the principle of mathematical induction. The course also covers the binomial theorem, focusing on the expansion of rational indices, the interval of convergence, and methods for approximations and error analysis.

MTH 104: Conic Section and Applications of Calculus (3 Units)

MTH 104 - Conic Sections and Applications of Calculus is a 2 Unit course for students studying towards acquiring a Bachelor of Science degree. It covers the Conics: Properties of Parabolas, ellipse, hyperbola, rectangular hyperbola, their cartesian and parametric equations, problems involving elimination of parameters, tangents and normal, Rate of change: Velocity, acceleration and other rates, curve sketching: Asymptotes, maxima and minima, small increments,

approximations and errors, Newton's approximation, simple application of integration to areas and volumes, Differential equations: First order differential equation only.

MTH 105: Differential and Integral Calculus (3 Units)

MTH 105 – Differential and integral calculus is a 2 credit Unit course for students studying towards acquiring a Bachelor of Science degree. It covers the Functions of a real variable: Odd, Even, Periodic functions and their symmetries, graph, limits and continuity (Intuitive treatment only) concepts, Differentiation: First Principle, techniques of differentiation in general, higher derivatives, Integration: Integration as the inverse of differentiation, techniques of integration in general, definite integral and Inverse functions.

MTH 106: Vectors and Dynamics (3 Units)

MTH 106 is a 2 Unit course for students studying towards acquiring a Bachelor of Science degree in Computer Science. This course is designed to equip you with a solid understanding of vectors, scalars, and their applications in various physical contexts. In our first study session, we will introduce vectors and scalars, discussing their properties and operations. You will learn how to represent vectors both graphically and analytically and perform essential vector operations. The knowledge gained here will serve as the foundation for subsequent topics, including vector algebra, unit vectors, and vector components in three-dimensional space. This course will also cover the dot and cross products, vital for interpreting and solving complex problems in physics, engineering, and computer graphics.

PHY 101: General Physics I (3 Units)

PHY 101: General Physics I is a 3-unit course for students studying towards acquiring a Bachelor of Science in Computer Science. The course is divided into 7 study sessions. The course guide therefore gives you an overview of what PHY 101 is all about, the textbooks and other materials to be referenced, what you expect to know in each unit and how to work through the course materials.

PHY 102: General Physics II (3 Units)

PHY 102: General Physics is a 3 unit course for students studying towards acquiring a Bachelor of Science in Computer Science. The course is divided into 15 study sessions and this course guide therefore gives you an overview of what PHY 102 is all about, the textbooks and other materials

to be referenced, what you expect to know in each unit and how to work through the course materials.

PHY 107: General Practical Physics I (1Unit)

PHY 107 is a 1 Unit course for students studying towards acquiring a Bachelor of Science degree in Computer Science. This physics practical has been designed in such a way that you will develop some manipulative skills in handling some physics apparatus. It is an integral part of your physics course, which reinforces some, if not all, the principles, theories and concepts you must have learnt in Mechanics, Heat and Properties of Matter. Furthermore, the Physics Practical is to enable you determine some physical constants such as acceleration due to gravity, specific heat capacity of a sold or liquid, force constant of a spiral spring to mention a few.

PHY 108: General Practical Physics II (1 Unit)

PHY 108 is a 1 Unit course for students studying towards acquiring a Bachelor of Science degree in Computer Science. This course builds upon the foundational principles and experimental techniques introduced in PHY 107. Designed to deepen your understanding of practical physics, PHY 108 emphasizes hands-on experiments and the application of theoretical concepts to real-world scenarios.

STA 101: Descriptive Statistics (2 Units)

STA 101: Descriptive Statistic is a 3 Unit course for students studying towards acquiring a Bachelor of Science degree in Computer Science. This course provides an introduction to permutation and combination, laying the groundwork for understanding the fundamental concepts and principles of probability. Students will learn about random variables and their associated probability and distribution functions. The course covers basic probability distributions, including binomial, geometric, Poisson, and normal distributions, as well as sampling distributions. Additionally, students will be introduced to exploratory data analysis techniques, equipping them with essential tools for analyzing and interpreting data.

200 LEVEL

COS 201: Computer Programming I (1 Unit)

Computer programming I will explore a review of computer programming, problem solving methods and programming language.

COS 202: Computer Programming II (1 Unit)

This course will explore a review of Computer programming languages such as C, Java, ADA and COBOL. It also explore area like Microsoft and Linux operating system, database, its manipulation and the use of SQL.

CSC 203: Discrete Structures (2 Units)

COS 203: Discrete Structures is a 2 Unit course for students studying towards acquiring a Bachelor of Science. The course is divided into 8 study sessions. This course will explore set theory, matrices logic etc.

COS 204: Computer Architecture & Organization (2 Units)

COS 204 is a 2 units course for students studying towards acquiring a Bachelor of Science in Computer Science. The course is divided into 15 study sessions. You will be introduced to fundamental building blocks of computer systems.

COS 205: Digital Logic Design (2 Units)

This course offers an introduction to information representation and number systems, delving into Boolean algebra and switching theory, as well as the manipulation and minimization of Boolean functions. Students will study the physical properties of gates, including fan-in, fan-out, propagation delay, timing diagrams, and tri-state drivers. The course covers the design of combinational circuits using multiplexers, decoders, comparators, and adders, and extends to sequential circuit analysis and design, encompassing basic flip-flops, clocking, and timing diagrams. Additionally, students will explore the use and functionality of registers, counters, RAMs, ROMs, PLAs, PLDs, and FPGAs.

COS 207: Introduction to Software Engineering **(2 Units)**

This course explores a wide range of topics which includes the concept of software engineering, functions of a software engineer, the causes of software crisis and its solution, software development stages and life cycle model. By delving into these areas, students will gain insights into requirement phase and its types as well as the benefit of modular design then the guidelines for writing pseudo code with adequate examples will be critically look into. Moreover, the course will address implementation of software, testing of the software, quality of the developed software and its compatibility will be thoroughly look into

ENT 211: Entrepreneurship and Innovation **(2 Units)**

This course explores a wide range of topics which includes the concept of entrepreneurship and intrapreneurship, entrepreneurship culture, biographical studies of prominent Nigerian Entrepreneurs, barrier to entrepreneurial practice and business external environment. By delving into these areas, students will gain insights into how to identify business opportunities and threat, strategies for exploring opportunities in the environment, creativity and intellectual rights. Moreover, the course will address technological entrepreneurship and how to go into new venture.

GST 212: Philosophy, Logic & Human Existence **(2 Units)**

GST 212 is a 2 unit course for students studying towards acquiring a Bachelor of Science Degree. In this course, we will explore a wide range of topics which includes the nature and subject matter of philosophy, different conceptions of philosophy, meaning of epistemology, sources of knowledge, scope of knowledge, types of knowledge and theories of truth. By delving into this areas, students will gain insights into metaphysics, idealism and materialism, universals and particulars, substances and qualities. Moreover, the course will address the meaning and categories of fallacy such as distraction fallacies, resemblance fallacies, emotion fallacies, etc.

MTH 201: Mathematical Methods I **(3 Units)**

In this course we will explore a wide a range of topics which includes the meaning of functions, domain and range of a function, writing of mathematical function of a single variable and function of several variables, review of differential and integral calculus, application of derivatives such as linear approximations and mean value theorem. By delving into this topics, students will gain insights into series representation of functions using Taylor's polynomials, partial derivatives, applications of partial derivatives and evaluation of line and multiple integrals.

MTH 207: Linear Algebra   **(3 Units)**

MTH 207: Linear Algebra is a 3 Unit course for students studying towards acquiring a Bachelor of Science degree in Computer Science. In this course, an in-depth exploration of matrices, covering their definition, various types, and algebraic operations. Students will learn to decompose matrices into symmetric and skew-symmetric components and perform elementary operations to achieve echelon forms and equivalence matrices. The course delves into the inverse of matrices and the representation and solution of systems of linear equations using Gaussian elimination and Gauss-Jordan reduction methods. Additionally, it addresses the definition and evaluation of determinants, cofactor expansion, and the application of Cramer's rule to solve systems of linear equations, emphasizing the role of determinants in finding matrix inverses.

MTH 216:   Introduction to Mathematical Modelling   **(3 Units)**

MTH 216 is a 3-unit course designed for students pursuing a Bachelor of Science degree in Mathematics or related fields. This course introduces students to the principles and techniques of mathematical modelling, which is crucial for analyzing and solving real-world problems using mathematical methods. Through this course, students will learn to formulate, analyze, and interpret mathematical models applied to various domains such as engineering, physics, economics, and biology.

STA 202: Probability Distribution   **(3 Units)**

STA 202 is a 3 unit course for students studying towards acquiring a Bachelor of Science degree in Computer Science. In this course, we will explore a wide range of topics such as probability space, measure and distribution, random variable spaces, mathematically expressing the expected value of mean for discrete and continuous random variables. By delving into these areas, students will gain insights into proving of Cheby Shev's inequality, Central limit theorem and Demovre's theorem.

300 LEVEL

COS 301: Data Structures **(3 Units)**

This course provides a comprehensive overview of fundamental data structures and their memory representations, covering primitive types, arrays, records, strings, and string processing. Students will learn about stack and heap allocation, as well as the implementation strategies for stacks, queues, and trees. The course delves into run-time storage management, focusing on pointers, references, and linked structures, equipping students with the knowledge and skills necessary for efficient data manipulation and memory management in programming.

COS 302: Computer Science Innovation & New Technologies **(3 Units)**

This course offers a comprehensive exploration of innovation and business concepts, covering the fundamentals of generating and developing business ideas, product development, and effective business leadership. Students will learn about digital marketing strategies, entrepreneurial opportunities in IT, and essential legal and ethical considerations. The curriculum includes the new venture creation process, business feasibility planning, and market research techniques. Emphasis is placed on crafting business strategies, developing business models and plans, and honing technical presentation skills. The course culminates in a report on a successful entrepreneurial venture, providing practical insights and real-world applications.

COS 303: Expert System Technology **(3 Units)**

In this course we will explore a wide range of topics which includes basic concepts of expert systems, components and development of an expert system, knowledge representation and classes of expert systems. By delving into these areas, students will gain insights into the current trends in expert systems and how expert systems are been deployed within the organization.

COS 305: Data Communication System and Network **(3 Units)**

This course provides an in-depth study of data types and sources, along with the fundamentals of communication networks and transmission methods, including one-way, half-duplex, parallel, and serial transmissions. Students will learn about bit and character synchronization, and the efficiency of synchronous and asynchronous transmissions. The course covers network protocols, focusing

on the ISO-OSI standard protocols, transport and session services, and the IEEE 802 standards. Error control and data compression techniques, such as parity checking, cyclic redundancy, and Huffman coding, are also explored. Additionally, students will examine local and metropolitan area networks, medium access control techniques, client-server architectures, GUI design standards, and the features and benefits of major network operating systems, emphasizing TCP/IP.

COS 306: Operating Systems **(3 Units)**

This course will introduce the basics of Operating Systems and its functions, types of operating systems and services, Processes Management, differences between processes and threads, Concurrency, race conditions, context switches and software support for mutual exclusion. Also, students will gain insights into Deadlocks, Memory Management, File System Management and Device Management. Finally, the student is introduced to Windows and UNIX operating Systems as case studies.

COS 307: Computer Architecture I and Organization I **(2 Units)**

COS 307 is a 2 Unit course for students studying towards acquiring a Bachelor of Science degree in Computer Science. In this course, we will explore a wide range of topics, including the fundamentals of artificial intelligence (AI), problem-solving techniques, knowledge representation, machine learning, and the ethical implications of AI. By delving into these areas, students will gain insights into the theoretical and practical aspects of AI, preparing them to apply AI techniques in various domains and understand the impact of AI on society.

COS 308: Numerical Computation I **(3 Units)**

COS 308 is a 3 Unit course for students studying towards acquiring a Bachelor of Science degree in Computer Science. This course delves into various numerical methods essential for solving scientific and engineering problems. It covers a range of topics including numerical integration, interpolation, solutions of nonlinear equations, and the implementation of these techniques using computational tools. By mastering these methods, students will be equipped to tackle complex computational challenges in their professional careers.

COS 309: System Analysis and Design (3 Units)

COS 309 is a 3 unit course for students studying towards acquiring a Bachelor of Science Degree in Computer Science. The course includes several topics such as system analysis and design, several forms of system, characteristics of a system, stages and prototype of system development life cycle. By delving into these areas, students will gain insights into facts gathering techniques, data modelling, process of description of data modelling and system design. The programming experience acquired is complemented in this course with systems experience. This would enable learners to cope with the number of components in a systems development approach and enmesh them correctly to result in a successful project.

COS 310: Numerical Computation II (3 Units)

COS 310 is a 3 Unit course for students studying towards acquiring a Bachelor of Science degree in Computer Science. This course delves into various numerical methods essential for solving scientific and engineering problems. It covers a range of topics including numerical integration, interpolation, solutions of nonlinear equations, and the implementation of these techniques using computational tools. By mastering these methods, students will be equipped to tackle complex computational challenges in their professional careers.

COS 311: Introduction to Cybersecurity & Strategy (2 Units)

COS 311: Introduction to Cyber Security and Strategy is a 2 Unit course for students studying towards acquiring a Bachelor of Science. The course is divided into 11 study sessions. This course will explore a review of Cyber Security Fundamentals, Cyber threat Management, Computer Forensics and digital investigation.

ENT 312: Venture Creation (2 Units)

ENT 312: Venture Creation is a 2 Unit course for students studying towards acquiring a Bachelor of Science. The course is divided into 16 study sessions. This course, Venture Creation is to explore and explain start-up process of a new venture and how best to grow it.

COS 313: Compiler Construction I **(3 Units)**

COS 313 Compiler Construction I is a 3 unit course for students studying towards acquiring a Bachelor of Science degree in Computer Science. In this course, we will explore a wide range of topics such as program translators like compiler, assembler and interpreter. The types of available translators, classification of assembler, advantages and disadvantages of interpreters, syntax, semantics and pragmatics, compilation phase and syntax analysis will also be discuss. By delving into this areas, students will gain insights into how top-down and bottom-up parsing operates then code generation will properly explain. Moreover, this course will address code optimization, error detection and recovery.

COS 315: Sequential Program **(3 Units)**

COS 315 titled Sequential Program is a 3 unit course for students studying towards acquiring a Bachelor of Science in Computer Science. The course is divided into 10 study sessions. It will first introduce readers to the basic functional components of a Computer, and then introduce you to how ASCII characters are used to represent English characters as numbers. Other topics like Machine Language, Addressing Modes, Instruction Sets, Linkers, Assemblers, Compilers and Loaders are also discussed. Finally, you will be briefly introduced to Formal Language and Grammar.

COS 317: Formal Models of Computation **(3 Units)**

COS 317 Formal Models of Computation is a 2 unit course for students studying towards acquiring a Bachelor of Science degree in Computer Science. In this course, we will explore a wide range of topics such as program translators like compiler, assembler and interpreter. The types of available translators, classification of assembler, advantages and disadvantages of interpreters, syntax, semantics and pragmatics, compilation phase and syntax analysis will also be discuss. By delving into this areas, students will gain insights into how top-down and bottom-up parsing operates then code generation will properly explain. Moreover, this course will address code optimization, error detection and recovery.

400 LEVEL

COS 401: Algorithm and Complexity Analysis (2 Units)

COS 401: Algorithm Complexity Analysis is a 2 Unit course for students studying towards acquiring a Bachelor of Science degree in Computer Science. This course offers a comprehensive study of basic algorithmic analysis, focusing on asymptotic analysis and complexity bounds, both upper and average. Students will explore standard complexity classes and the trade-offs between time and space in analyzing recursive algorithms. The curriculum covers various algorithmic strategies and fundamental computing algorithms, including numerical algorithms, sequential and binary search algorithms, sorting algorithms, binary search trees, hash tables, and graph representations. Through this course, students will develop a deep understanding of how to design, analyze, and implement efficient algorithms across different computational problems.

COS 402: Ethics in Computer Science (2 Units)

COS 402 is a 2 Unit course for students studying towards acquiring a Bachelor of Science degree in Computer Science. In this course we will explore a wide range of topics, including the nature of ethics, the difference between law and technology, and the specific ethical and legal challenges posed by information technologies. By delving into these areas, students will gain insights into how ethical behavior is defined and maintained within a society, and how individual and collective actions can align with broader societal values. Moreover, the course will address the dynamic and often contentious relationship between technology, law, and ethics, preparing students to thoughtfully consider the implications of their work in the digital age.

COS 403: Modelling and Simulation (3 Units)

COS 403 is a 3-unit course for students pursuing a Bachelor of Science degree in Computer Science. In this course, we will explore various techniques and applications of modelling and simulation in computer science. This includes understanding the basic concepts, methodologies, and tools used for creating models and running simulations. The course will provide practical insights into the application of these techniques in solving real-world problems across different domains.

COS 404 : Operations Research **(2 Units)**

COS 404: Operation Research is a 2 Unit course for students studying towards acquiring a Bachelor of Science degree in Computer Science. This course introduces the fundamental concepts and objectives of operations research, emphasizing its applications in decision-making. Topics include linear programming problems, with a focus on their mathematical formulation and graphical solutions, and the Simplex Method. The course covers the transportation problem, addressing its definition, mathematical formulation, initial basic feasible solution, and optimal solution, as well as the assignment problem and its solution. Additionally, students will learn about inventory control, including economic lot size models with known demand, and replacement theory, focusing on the replacement of items deteriorating over time. The course also explores sequencing problems, covering general notations and solution methods.

COS 405: Human Computer Interface **(2 Units)**

COS 405 is a 2 Unit course for students studying towards acquiring a Bachelor of Science degree in Computer Science. This course focuses on evaluating and optimizing computer system performance. It explores the art of performance evaluation, common pitfalls, and a systematic approach to analysis. Students will learn to choose the right evaluation techniques, such as analytical modeling, simulation, and measurement, and gain a solid understanding of performance metrics. Emphasis is placed on setting unbiased goals, using accurate metrics, and considering constraints like system lifecycle, time, tools, and costs. By the end of the course, students will be well-equipped to perform reliable and comprehensive performance evaluations of computer systems.

COS 406: Compiler Construction II **(3 Units)**

COS 406 Compiler Construction II is a 3 unit course for students studying towards acquiring a Bachelor of Science degree in Computer Science. In this course, we will explore a wide range of topics such as program translators like compiler, assembler and interpreter. The types of available translators, classification of assembler, advantages and disadvantages of interpreters, syntax, semantics and pragmatics, compilation phase and syntax analysis will also be discuss. By delving into this areas, students will gain insights into how top-down and bottom-up parsing operates then code generation will properly explain. Moreover, this course will address code optimization, error detection and recovery..

COS 407: Computer System Performance Evaluation **(2 Units)**

COS 407: Computer System Performance Evaluation is a 2 Unit course for students studying towards acquiring a Bachelor of Science degree in Computer Science. This course introduces the principles of performance evaluation for computer systems, focusing on methodologies for studying information system performance and selecting appropriate evaluation techniques and metrics. Students will learn about commonly used performance metrics, workloads, benchmarks, and monitoring tools, as well as capacity planning and management of information systems. The curriculum covers the design of study experiments, analytical performance models, and techniques, including simple queuing theory models and queuing network models. Emphasis is placed on efficient algorithms for solving queuing network models and simulating information systems, with practical applications on computer systems and networks.

COS 408: Computer Graphics and Visualization **(2 Units)**

COS 408 is a 2 Unit course for students studying towards acquiring a Bachelor of Science degree in Computer Science. In this course we will explore a wide range of topics such as the basics of computer graphics, lines and circle generation algorithm, line clipping, transformations that one can perform in 2 dimensions, isometric and parallel projection in 3D graphics. By delving into these areas, students will gain insights into different types of curves, categories of polygon surface, identification of vertices and edges from an object. Moreover, this course will address different method of surface detection and the usefulness of binary space partition tree.

COS 409: Research Methodology and Technical Writing **(3 Units)**

COS 409 is a 3 Unit course for students studying towards acquiring a Bachelor of Science degree in Computer Science. The course is divided into 12 study sessions. It introduces you to the meaning, characteristics, types, terms, methods problems, and the skills required to carry out a research and also document it (research report writing)

COS 410: Data Management II **(2 units)**

COS 410: Data Management II is a 2 unit course for students studying towards acquiring a Bachelor of Science in Computer Science. The course is divided into 4 study sessions and this course guide therefore gives you an overview of what COS 410 is all about, the textbooks and other materials to be referenced, what you expect to know in each unit and how to work through the course materials.

COS 411: Introduction to Data Science **(2 Units)**

COS 411 is a 2 Unit course for students studying towards acquiring a Bachelor of Science degree in Computer Science. In this course, we will explore a wide range of topics, including the fundamentals of data science, data collection, data cleaning, data analysis, and data visualization. By delving into these areas, students will gain insights into how to handle and analyze data effectively, use statistical methods to interpret data, and communicate their findings through visualizations. Moreover, the course will address the use of various tools and technologies that are essential in the field of data science, preparing students to apply these skills in real-world scenarios.

COS 412: Special Topics in Computer Science **(3 Units)**

COS 412 is a 3 Unit course for students studying towards acquiring a Bachelor of Science degree in Computer Science. This course covers advanced and contemporary topics in computer science that are crucial for keeping up with the rapidly evolving field. Students will explore subjects such as high-performance computing, data science, artificial intelligence, machine learning, cybersecurity, and more. By engaging with these areas, students will gain in-depth knowledge of the latest trends and technologies that are shaping the future of computer science. This course is designed to equip students with both theoretical understanding and practical skills needed to tackle complex challenges in the computing world.

COS 413: Introduction to Cryptography **(2 Units)**

COS 413 is a 2 Unit course for students studying towards acquiring a Bachelor of Science degree in Computer Science. In this course you will explore the core concepts of securing information through encryption and cryptographic protocols. You'll learn the mathematical foundations essential for cryptography, such as number theory and modular arithmetic. The course covers both classical and modern cryptographic systems, including AES and RSA, and teaches you how to apply these techniques to secure digital communications. Additionally, you'll analyze the strengths and weaknesses of cryptographic protocols and understand the ethical and legal considerations surrounding their use in protecting data.

COS 414: Mobile Application Development **(2 Units)**

COS 414 is a 2 Unit course for students studying towards acquiring a Bachelor of Science degree in Computer Science. This course provides a comprehensive introduction to mobile application development with a focus on Android. It covers the basics of the Android platform, setting up the

development environment, core Java concepts for Android, and building sample applications. The course also delves into essential design principles, activities, services, intents, and permissions required for creating robust Android applications.

INS 401: Project Management (2 Units)

INS 401 Project Management is a 2 unit course for students studying towards acquiring a Bachelor of Science degree in Computer Science. In this course, we will explore a wide range of topics such as program translators like compiler, assembler and interpreter. The types of available translators, classification of assembler, advantages and disadvantages of interpreters, syntax, semantics and pragmatics, compilation phase and syntax analysis will also be discuss. By delving into this areas, students will gain insights into how top-down and bottom-up parsing operates then code generation will properly explain. Moreover, this course will address code optimization, error detection and recovery.

ORIENTATION PROGRAMME

The orientation Programme is the first exposure of fresh students to social and academic life both within and outside the University. It is a period within which students are introduced to the various activities that they will be exposed to in the course of their academic programme.

Orientation also affords students the opportunity to familiarize themselves with the rules, regulations and procedures of the University. The orientation activities offer students a singular opportunity to avoid unnecessary embarrassments.

As part of the orientation week activities, freshers are able to meet the officers of the University and CUDLC. They are introduced to various facilities in the University such as Health Center, Library, and sporting activities etc.

MATRICULATION AND MATRICULATION NUMBER

Only candidates who have satisfied the minimum educational requirements of Caleb University Imota, Lagos are admitted as students. Such candidates are eventually matriculated as students of the University on the Matriculation Day. Each fresh student must sign the Matriculation Oath for Admission to the University and affirm that he/she will observe the statutes and rules of the University.

All matriculants are required to be formally dressed. Each matriculant is assigned a matriculation number upon registration. No official student paper or document may be regarded as complete or valid unless it carries the correct matriculation number of the student. As a result, students are strongly advised to know and be definite at all times with their matriculation numbers.

Once a student has been given a matriculation number, he/she must retain it even if he/she changes his/her Programme of study. He/She must use his/her undergraduate matriculation number when registering for any postgraduate course in the University. Disciplinary procedures will be taken against any student who attempts to obtain a second matriculation number.

IDENTITY CARD

Each registered student of the Centre, upon payment of a prescribed fee, is issued with an official student identity card valid for required numbers of session he is to spend in school. Students may be required, at any-time, to identify themselves upon request by authorized University officials acting in the performance of their duties.

Some University facilities are open to only students who are able to show valid cards. Students are required, therefore, to take very good care of their identity cards, carry them always and be ready to produce them at any time on demand.

Students must surrender their identity cards to the centre upon their graduation or withdrawal from the University. Failure to do so shall attract appropriate disciplinary action.

Special information on the identity cards

(a)   No student will be allowed into examination hall without identity card.

(b)   The identity card is a security document and students are advised to keep it securely against loss or theft.

(c)   Students are advised to report loss or theft of their identity cards to the security unit or Student Affairs Unit without any delay.

LEAVE Of ABSENCE

Any student of the centre who, after one or two semesters or at any other point in time of his studies, is unable to continue with his/her studies on account of ill-health or financial difficulties,

may apply through his/her centre to Senate for leave of absence for a semester, subject to a maximum period of two semesters.

WITHDRAWAL FROM THE PROGRAMME

Any student who is absent from the University for two consecutive semesters without official permission will be deemed to have withdrawn from the University. Also, a student whose CGPA falls below 1.00 at the end of a semester shall be on probation during the following semester. If he/she fails to achieve a CGPA of at least 1.00 at the end of that semester, he/she shall be required to withdraw from the University.

REGISTRATION FOR COURSES

RULES GOVERNING COURSE REGISTRATION

(a) Any student who fails to register within the specified period will be deemed to have absented himself/herself from the course for the semester. Absence from the course without permission will lead to forfeiture of the semester by the student and disqualification from writing the University examination at the end of the semester.

(b) The Electronic registration for courses shall take place at a specified period (not more than two weeks) at the beginning of each semester.

(c) A student must register for the required number of courses/units (including compulsory and required courses) as prescribed by the Faculty/Department concerned at the beginning of each semester.

(d) Each student must register for the specified General Studies courses, which he/she must pass in order to qualify for the award of the University Degree.

SUBMISSION OF REGISTRATION FORMS

- **First Semester**

The submission of Registration Forms for the First Semester shall end before matriculation in the cases of freshers and two weeks after the University official date of resumption in the case of returning undergraduates.

- **Second Semester**

Students are expected to complete their registration for the semester two weeks after the University official date of resumption.

Documents to be attached to Student Course Registration Forms

Students must attach the following documents to their Course Registration Forms:

(i)   **Fresh Students**

    (a)   E-payment Fees Receipt

    (b)   Medical Clearance

    (c)   Academic Clearance

    (d)   General Clearance

    (e)   Student Data Forms

    (f)   One Recent Passport Photograph

    (g)   All relevant credentials such as: Birth certificate, WASSCE certificate etc.

(ii)   **Stale Students**

    (a)   E-payment fees receipt

PENALTIES FOR LATE REGISTRATION

(a)   Students who submit their Registration Forms within one week after the stipulated two weeks free registration period shall pay a fine as may be determined by the University.

(b)   Any student who fails to register for courses within the two-week period of registration in any semester shall forfeit his/her studentship for that semester.

(c)   Any student who does not register for a course in any semester would not be allowed to sit for examination in that course. No Registration! No Examination! No Result!

EXAMINATION REGULATIONS

(1)   Most of the examination shall be computer based. Students must arrive punctually at the times assigned to their papers and must be ready to be admitted into the examination hall thirty (30) minutes before the time the examination is due to start. Students shall not, in

any circumstance, enter the examination hall later than thirty minutes after the time appointed for the commencement of the examination. Students arriving later than thirty minutes after the examination has started shall be admitted only at the discretion of the Chief invigilator.

(2)   Students are expected to complete examination attendance register in case of paper and pencil examinations.

(3)   Students should not leave the examination hall during the first hour of the examination; outside the period, candidates, with the permission of the invigilator, may leave the room temporarily only if accompanied by an attendant.

(4)   Students must display their University identity and Examination Cards on the desk during each examination.

(5)   The invigilator may search students before they are allowed into the Examination Hall.

(6)   Students must bring their own writing materials (in case of paper and pencil examination) including Calculator (not mobile phones) to the examination hall but they are not allowed to bring any other book or paper. Students are warned in their own interest to ensure that anything that can implicate them such as lecture note, text books, bags, mobile phones and electronic gadgets are not brought into the examination hall.

(7)   Student should endeavor to read the instructions on their question paper and adhere strictly to them.

(8)   While the examination is in progress communication between candidates is strictly forbidden.

(9)   Silence must be observed in the examination hall. The only permissible way of attracting the attention of the invigilator is by the candidate raising up the hand.

(10)   All rough work must be done on the answer scripts and crossed neatly thereafter (in case of paper and pencil examination).

(11)   Students are advised in their own interest, to write legibly and to avoid using faint ink. The answer to each question must be on a fresh page of the answer script.

(12)   Students are to write their matriculation numbers only on the answer scripts and not to write names.

(13)   Students are to submit their answer scripts to the invigilator before leaving the examination hall. They are not allowed to remove or mutilate any paper or materials supplied by the University.

(14)   Any student found to be involved in any examination malpractice will be invited to appear before the Examination Malpractices Panel and may subsequently be expelled from the University, depending on the gravity of the offence.

EXAMINATION MALPRACTICE

As part of the on-going campaign to rid CALEB UNIVERSITY of the menace of examination malpractice and to maintain credibility and integrity of the conduct of examinations in the University generally, Senate of the University has considered all forms of Examination Malpractices and prescribed appropriate sanctions.

Any student caught to have cheated or aided and abetted cheating in any examination or possessed incriminating materials at the examination or involved in any other examination misconduct before, during or after an examination including impersonation, will be made to appear before the Examination Malpractices Panel.

PROCEDURE FOR INVESTIGATING ALLIED EXMINATION MISCONDUCT

1.   Whenever a student is caught for any examination offence, the case shall be reported to the Invigilator/Supervisor in the Hall immediately.

2.   The invigilator shall fill the necessary forms reporting the case of examination misconduct and the student should be made to write a statement on his/her involvement. Thereafter, the student shall be allowed to continue with the examination.

3.   The Invigilator/Supervisor shall then report formally to the programme coordinator.

4.   The student will then be invited to appear before the Examination Malpractices Panel to defend himself/herself verbally.

5.	The Examination Malpractices Panel shall read the offence(s) alleged to have been committed by the student and allow him/her to defend himself/herself in the light of his/her statement, which he/she had earlier on submitted.

6.	The report and recommendation of Examination Malpractices Panel shall be forwarded to the Senate for consideration and approval.

7.	Student may appeal against the decision of the Senate within 14 days of communication of the decision to him/her through the Programme coordinator through the Director to the Senate.

EXAMINATION OFFENCES AND SANCTIONS

The offences and sanctions to be imposed are as follows:

S/N	Offence	Sanction
1	Examination Leakage	Student - Expulsion Staff - Dismissal
2	Illegal possessions of answer script by student	Expulsion
3	Examination scripts with more than one handwriting	Expulsion
4	Staff-complicity in multiple handwriting	Dismissal
5	Possession of illegal materials relating to Examination inside the examination venue	Suspension for four semesters

6	Involvement of mercenary in writing examination	Expulsion of all parties concerned
7	Impersonation	Expulsion of all parties concerned
8	Student's assault on invigilator	Expulsion
9	Harassment of co-students for not cooperating in malpractice	Suspension for one academic session
10	Falsification of identity i.e. Names and matriculation Number, etc. by culprit.	Expulsion
11	Giraffing	Suspension for two semesters
12	Exchange of scripts	Expulsion of all parties
13	Refusal to submit examination answer script	Suspension for one academic session
14	Falsification of official document such as E-payment School Receipt, Identity card and Course Registration form e.t.c.	Expulsion

THE COURSE UNIT SYSTEM AND REGULATIONS GOVERNING THE AWARD OF A DEGREE

Description of the course system

The Course Unit System is an operation system in which the entire number of courses required by a student for a particular degree is packaged into a number of modules. Each consisting of a prescribed number of units, usually, one module is to be offered in one semester.

Grading of examination under the course unit system

It is important to note the following:

(i)   **Pattern of Examination:** Each course shall be examined at the end of the semester (or session as the case may be) in which it is offered. This shall mostly be computer-based test,

theory paper of two or three hours, in addition to which there may be a practical paper and/or an oral examination;

(ii) **Qualification for Examination:** To be qualified to sit for an examination, the student must be dully registered, pay his/her school fee fully and obtain examination card for the examination.

(iii) **Measurement of Performance:** A student's performance in a course shall be measured in terms of:

(a)   The scores in the Continuous Assessment usually 30%

(b)   The results of the prescribed theory and/or practical examination in the course which is usually 70%.

(iv) **Levels of Performance:** The grades awarded for a course are as follows:

Mark Range (%)	Letter Grade	Interpretation
70-100	A	Excellent
60-69	B	Very Good
50-59	C	Good
45-49	D	Satisfactory
40-44	E	Weak Pass
0-39	F	Failure

(v) **Semester Performance:** A student's performance in a semester is calculated as Grade Point Aggregate (GPA). This involves the awarding of credit points in respect of each course taken during the semester. To this end, numerical values are attached to the letter grades earlier mentioned as follows:

A   -   5   Credit points per unit of course

B   -   4   Credit points per unit of course

C   -   3   Credit points per unit of course

D   -   2   Credit points per unit of course

E	-	1	Credit point per unit of course
F	-	0	Credit point per unit of course

The semester GPA is then obtained as the ratio of total number of credit points (TCP) to the total number of units (TNU) of courses offered during the semester. Thus, GPA=TCP/TNU.

(vi) **Cumulative Performance:** While the GPA specified above is used to measure the performance of a student in a given semester, the Cumulative Grade Point Average (CGPA) is the one that really determines the student's overall academic standing and, therefore, his continued stay or otherwise in the University after the semester examination. It is also CGPA that is used to classify the degrees awarded to students.

The CGPA is obtained as the ratio of all the credit points accumulated since entering the University to the total number of units registered for since coming into the University.

In other words, the CGPA is equal to the cumulative credit points (CCP), divided by the cumulative load units, (CLU), thus CCP/CLU=CGPA.

All CGPA calculations are to decimal places. Sample computation of GPA and CGPA is presented later in this booklet.

(vii) **Incomplete Grade:** When a student is unable to complete all the prescribed requirements for a course in which he/she is formally registered, his/her result may be deemed to be incomplete by the offering department until the department certifies that all prescribed requirements have been met but, in all cases not later than one semester after the course had been offered.

(viii) **Academic Probation:** A student whose CGPA at the end of a Semester is less than 1.00 shall be placed on academic probation during the subsequent semester.

(ix) **Release of Examination Result**

At the end of each semester the final results of the semester examination shall be published by the centre after Senate approval and posted on the University's website.

REPETITION OF COURSE

Any course failed by a student must be repeated until it is passed. A student shall repeat only those courses in which he/she has obtained a grade of F. The grade earned for a repeat course shall be recorded and used in the computation of GPA and CGPA in usual way.

REQUIREMENTS FOR THE AWARD OF A DEGREE

To be eligible for the award of a degree, a student must satisfactorily complete the minimum number of units prescribed for the degree. He/she must, in addition, complete successfully, all compulsory courses as well as required and elective courses for the degree as prescribed.

RESIDENCY REQUIREMENT

To qualify for a degree in the CUDLC of the University, each student shall normally be required to spend a minimum period of three to four academic years depending on the mode of admission and course of study.

CLASSIFICATION OF DEGREES

The degrees awarded by the University are Honours degree and are classified according to CGPA as follows:

Class of Degree	CGPA Range
First Class	4.50-5.00
Second Class Upper	3.50-4.49
Second Class Lower	2.40-3.49

	Third Class	1.50-2.39	

SAMPLE COMPUTATION OF GPA AND CGPA

The following hypothetical results obtained by a student in his/her first year in the University are used to illustrate the computation of GPA and CGPA.

For 1st Semester

Course Code	Unit	Grade	Credit Point	Point= Unit x Credit Point.
MTH101	5	F	0	5 x 0 =0
PHY 101	4	E	1	4 x 1 =4
PHY 103	1	C	3	1 x 3 =3
CHM 101	4	E	1	4 x 1 =4
CHM 103	1	C	3	1 x 3 =3
BIO 101	3	F	0	3 x 0 =0
BIO 103	1	D	2	1 x 2 =2
GNS 101	2	C	3	2 x 3 =6
GNS 103	2	D	2	2 x 2 =4
TOTAL	23	-		26

TCP = 26

TNU = 23

GPA = TCP/TNU = 26/23 =1.13

For 2nd Semester

Course Code	Unit	Grade	Credit Point	Point = Unit x Credit Point.
MTH 102	5	F	0	5 x 0 =0

PHY 102	4	F	0	4 x 0 =0
PHY 104	1	C	3	1 x 3 =3
CHM 102	4	E	1	4 x 1 =4
CHM 104	1	C	3	1 x 3 =3
BIO 102	3	E	1	3 x 1 =3
BIO 104	3	E	1	3 x 1 =3
GNS 102	2	F	0	2 x 0 =0
GNS 104	2	E	1	2 x 1 =2
TOTAL	25	-		18

For 2nd Semester

TCP = 18,   TNU = 25

GPA = TCP/TNU = 18/25 = 0.72

CCP = TCP 1st Semester + TCP 2nd Semester

> **=   26 + 18**

> **=   44**

CLU = TNU 1st Semester + TNU 2nd Semester

> **=   23 + 25**

> **=   48**

CGPA = CCP/CLU = 44/48

> **= 0.9**

Repeat: MTH 101, BIO 101, MTH102, PHY102, GNS 102.

Remark: PROBATION.

COMMENT

Note that the candidate will be on PROBATION during the third semester since his CGPA has fallen below 1.00 at the end of the second semester. Furthermore, if the CGPA still falls below 1.00 at the end of the semester that followed, he/she will be advised to WITHDRAW from the University.

CHANGE OF NAMES BY STUDENTS

The following guidelines are adopted in respect of the procedure for change of names by students in the University.

(a)   That all students should graduate with the names by which they were admitted to the University.

(b)   That only female students may be allowed to change their names, as a result of change in marital status and with acceptable documentary proof.

(c)   That for the avoidance of doubt, no change of name by any male student is allowed by the university. Male students are advised to take special note of this. All enquiries on the procedures for change of name can be obtained from the Student Affairs Unit.

GUIDELINES ON CHANGE OF PROGRAMME/CHANGE OF UNIVERSITY

Request for transfer should be made only at the completion of 100 level and it is based on fulfillment of requirements of the department where the student wishes to transfer to.

TRANSCRIPT

The LODLC keeps official record of students' grades and transcripts. Students and parents may obtain official transcripts or records directly related to them upon request as provided for and approved by Senate, from time to time. In all cases, obligation to CALEB UNIVERSITY IMOTA, LAGOS must be fulfilled before any transcript could be issued.

REGULATIONS ON STUDENTS CONDUCT AND DISCIPLINE

The University is established primarily to educate the student and to inculcate cultural values and good character.

An acceptance of offer of admission by a student to the University automatically implies that he/she has accepted to abide by the rules and regulation that may from time to time be made for governance of the University. Such acceptance also carries with it an obligation that the student shall conduct himself/herself as a law abiding and responsible member of the academic community, in accordance with University's standards, rules and other conditions established by legally constituted Authority of the University.

Every student of the University is required to maintain a high standard of personal integrity. Each student shall conduct himself/herself peacefully in expressing his/her view on any changes, which he/she may consider necessary. The University regards as serious offences any act of unethical, immoral, dishonest, disloyal, dehumanizing and destructive behaviour as well as violation of University regulations. It is, therefore, the responsibility of each student not only to acquaint himself/herself with these regulations but also to assist in upholding them at all times.

The University is committed to the full support of the legitimate right of its members. The University has an equal obligation to protect its educational purpose and the interest of its entire community. For this reason, the University is naturally concerned about the action of some individuals which may be in conflict with the welfare and integrity of the University or in disregard of the right of other members of this community.

The legitimate expression of differing opinion and concerns is an essential part of the academic community. But the imposition of opinion and concern upon those who, in turn, dissent from them shall not be tolerated. It is emphasized that all members of the University community, including students, are subject to the laws of the nation whether within or outside University campus, like all other citizens. They are expected to learn to cope with problems intelligently, reasonably and with understanding and consideration for the right of others. Each member shall recognise that as he/she values his/her right and freedom so is he/she expected to respect the right and freedom of others.

The University reserves the right to discipline a student or to require, through established disciplinary processes, his/her withdrawal from the University based on evidence of a student's failure to abide by its rules. Upon matriculation, every student must obtain and complete bio-data and Denunciation/Renunciation of membership of cult group form at the office of Dean of Student Affairs.

THE DISCIPLINARY SYSTEM

The law governing the University vests the Vice-Chancellor with the power to discipline students. In practice, there is a statutory Students Disciplinary Committee with the general function of dealing with individual cases of indiscipline. The Vice-Chancellor has delegated power to the Dean of Student Affairs, Deans of Faculties, Heads of Departments and some officers of the University to impose disciplinary measures on students for certain defined offences.

Sanctions for Violation of University Regulations

The following are some of the disciplinary sanctions, which may be imposed for violation of university regulations:

(a) **Disciplinary Probation:**

Disciplinary probation is a trial for a specific period of time during which a student must behave in a manner acceptable to the University. The Disciplinary Committee may impose terms, which will restrict the student's participation in extra-curricular and/or other activities.

(b) **Suspension:**

Suspension is an action which excludes the student from registration, attendance of lectures, practical classes, examinations and the use of University facilities for a specified period of time. This action means that the student must immediately leave the Campus and shall not return to the University until the suspension period is over.

(c) **Expulsion:**

Expulsion is the permanent withdrawal of student from the university. The privileges of registration, attendance of lectures, practical, examinations as the use of University facilities are withdrawn from the student. This action means that the student must leave the Campus immediately and cease to be a student of the University.

(d) **Appeal:**

In disciplinary cases, students concerned have a right of appeal to the Vice-Chancellor, Senate and ultimately to the Council against the decision of the University Senate.

CODE OF CONDUCT FOR STUDENTS

(i)   University Property Disciplinary Measure:

(a)   A student shall not convert University property to personal use illegally.

(b)   Students demonstration resulting in the seizure and/or vandalisation of the University Property and those of staff will attract appropriate sanctions.

(ii)   Interpersonal Relationship:

(a)   A student shall not engage in any act that can constitute an offence under the law of the country.

(b)   A student shall not constitute a threat to the life of other students. Physical combat will attract expulsion.

(c)   A student shall not be rude to the University Principal Officers and other authorized officials.

(d)   A student shall not be a member of any proscribed organization.

(e)   A student shall not hold any illegal or secret meeting organized by secret societies/fraternities. Membership of cult or secret societies will attract expulsion from the University.

(f)   A student shall not engage in sexual harassment.

(g)   A student shall not molest, intimidate or harass any University staff.

(h)   Immodest dressing by any student will attract disciplinary sanctions and such student (male or female) could be asked to leave the lecture room or University function.

(i)   Offenders shall face the Students Disciplinary Committee, depending on the seriousness of the misconduct.

(iii)   Discipline of Students

Subject to the provision of this section, where it appears to the Vice-Chancellor after due investigation, that any student of the University has been found guilty of misconduct, the Vice-Chancellor may, without prejudice to any other disciplinary powers conferred on him by statute or regulation, direct:

(a) That the student shall not, during such period as may be specified in the directive, participate in such activities of the University or make use of such facilities of the University, as may be so specified; or

(b) That the student be suspended for such period as may be specified in the directive

(c) That the student be expelled from the University.

Whatever the directive given under paragraph (b) or (c) of the above in respect of any student, the student may in the prescribed manner, appeal against the directive through the Registrar to Senate or Council and where such an appeal is brought, the Senate or Council shall, after due consideration, either confirm or set aside the directive or modify it in such a manner as the Senate or Council deems fit. The fact that an appeal against a directive of the Vice-Chancellor is brought in pursuance of the preceding sub-section, operation of the directive shall not be affected while the appeal is pending.

The vice-Chancellor may exercise his power under the Section through a Disciplinary Board or Committee consisting of such members of the University as he may nominate. Nothing in this Section shall be construed as preventing the restriction or termination of a student's activities at the University other than on the ground of misconduct. Any student who has been advised to withdraw from the University for any reason shall neither attend lectures nor participate in other students' activities.

(iv)   Attendance at any official University Engagement:

(a) A prompt attendance is required.

(b) Students should be neatly and well dressed.

(c) Students should conduct themselves in orderly manner and follow the instruction of the management closely. Any student misconduct that could disrupt official University engagement shall attract appropriate disciplinary sanction.

(d) Students are encouraged to express their mind freely on any issue but they should do nothing to embarrass the authority of the University publicly.

(v)   Movement around the University

(a) The Lawns should be respected. There should be no movement across the lawns.

(b) All litter must be dropped at appropriate waste dumps

(c) Students should ease themselves at places designated for the purpose.

(d) Students who posses any form of vehicular transport shall obey all existing traffic rules and regulations of the nation, respect the right of the pedestrians and conduct themselves

in orderly manner and without undue noise making. In addition, such vehicle should be registered with the University security Unit.

(e) Eating and drinking must be done at appropriate designated places.

(f) Loitering in and around the university premises after 12 midnight and before 6:00am shall not be tolerated. Student are, however, encouraged to make use of the library facilities and lecture theaters/halls in preparation for examination).

(g) There shall be no religious gathering, poster or any other religiously motivated action in or around the lecture halls, offices and laboratories except in places officially designated for religious activities and with an official approval of the school Authority.

(h) There shall be no soliciting for alms within the vicinities of academic activities,

(vi) Relationship with staff

(a) Students should not act in a manner that compromises their self-integrity and Honour.

(b) Students shall obey the academic instruction of the staff in a polite and respectful manner.

(c) Students should be neatly and well-dressed when meeting with the Heads of Departments, Deans/Provost of the Faculties/College, Vice-Chancellor or any other University Official.

(d) There should be no noise making around the offices, lecture halls and rooms, Health Center and Library.

(e) When students object to or complain about any staff/departmental action, such objection/complaint should be brought to the notice of the Head of Department who if unable to resolve the crisis/issue shall refer the matter to the Dean of Student Affairs 24 hours after the complaint/objection was raised for appropriate solution.

(viii) Dress Code for Students

Preamble

Caleb University Imota, Lagos, continues to be determined to provide an all-round academic, intellectual and character moulding environment for its students in order to produce graduates that are indeed worthy both in character and learning. The University is therefore concerned with the quality of social and cultural image portrayed both inside and outside the campus by its students.

Cleanliness, neatness, modesty, decency and appropriateness in dressing are important values which reflect individual dignity and sobriety through which students, as well as members of staff and portray professionalism in their respective disciplines.

The saying that "the apparel oft proclaims the man" is a truism for everybody – men and women, boys and girls, old and young. Though the University cares about the good physical appearance of its students, their dressing must, however, be in conformity with what is considered decent and appropriate for every occasion.

Principles of Dress Code

Current trends in Students' styles of dressing on University campuses tend to portray some form of deviant/aberrant norms of social/cultural behaviour. Indeed, most of these trends are either a passing fad, negative cultural trait or fanaticism, which actually should not be allowed in an academic environment such as ours.

Dress Code

Students should maintain cleanliness on campus and wearing of inappropriate outfits of any sort are to be discouraged and avoided.

For the avoidance of doubt, male and female students are not allowed to wear the following.

i.   All tight-fitting clothes including skirts, trousers and blouses.

ii.   All clothes which reveal sensitive parts of the body such as the bust, chest, belly upper arms and the buttocks. Example of such dresses are transparent clothing, "Spaghetti tops", "Wicked Straps", "Mono straps", "Tubes", and "Show me your belly". Skirts and dresses with slits above the knees fall into this category.

iii.   Outfits such as knickers and mini-skirts and dresses which are not, at least, at knee-length.

iv.   Outfits such as T-shirts, jeans, special arm-bands, special caps by males, special scarf and tattooed jeans by females which carry obscene and subliminal messages.

v.   Trousers such as hip-riders and low waist jeans.

vi.   Inappropriate outfits such as, party-wears, beach-wear and bathroom slippers should not be worn to lectures.

vii.   Traditional dresses that contravene the general dress code.

viii.   In addition to the above:

(a) Students should dress in a way that will not hide their identity. However, students who dress according to their religious dictates should be allowed for their fundamental Human rights. Such students should subject themselves for identification in examination halls, laboratories and libraries when the need arises.

(b) Students may be allowed to put on religious/denominational dress, but it should conform to the acceptable principles of dress code already discussed.

(c) Faculties and Departments which require special safety of protective dress modes, such as, apron, overalls, gloves, nose and head-covers should have them officially prescribed for their students.

(d) Sports and Games wears for athletes, sportsmen and sportswomen should be officially prescribed for this category of students to be worn in sports and games areas.

(e) The wearing of earrings and plaiting of hair by male students is banned.

Matriculation and Graduation Ceremonies

During matriculation and graduation ceremonies, students are expected to dress formally and wear academic gowns.

Implementation of the Dress Code

(i) Lecturers and Administrative staff are empowered to correct/exclude students from the lectures, library, examination halls, etc. and official business when they are not properly dressed.

(ii) Violators, depending on the specific circumstances, would be counseled and if necessary, will face the Students' Disciplinary Committee and have their records endorsed accordingly.

Caution

Any student who is found to contravene any of these dress code prescriptions will face immediate disciplinary action.

SANCTIONS FOR VIOLATORS

1st Offender - Verbal warning and Counseling which would be recorded in any appropriate medium.

2nd Offender - Warning letters issued to the student and copies of the letter to be sent to the student's parents, faculty and department of student.

3rd Offender - The violator be sent to the Students Disciplinary Committee for further

investigation and action. If such a violator is found guilty a suspension of one (1) semester be awarded.

RULES GOVERNING THE PAYMENT OF FEES

Students are expected to pay their stipulated tuition fees online at the CALEB UNIVERSITY Website using the interswitch enabled debit card at the beginning of each academic session.

Note further that:

(a)   Except where special permission has been granted in writing, no student whose fees for the session have not been paid will be admitted into the University. Students who claim to be on Scholarship or other awards will be expected to pay their fees in full at the time of registration. Such students should therefore endeavour to obtain from their sponsor(s) their full fees (in the form of certified Cheques payable to the Bursary Department, Caleb University Imota, Lagos) before reporting at the University for registration.

(b)   Students who are compelled to be absent from the University because they are unable to pay their stipulated fees stated above at the specified time will not be absolved from paying their fees for the period of such absence.

STUDENT INFORMATION AND GUIDANCE SERVICES

The Philosophy which guides career placements, Guidance and Counseling Unit in discharging its primary functions is to view the undergraduate years as one of the most crucial development periods in the lives of our students.

During the first few years, the average student faces the task of taking some major steps towards maturity and adulthood. Generally, this involves establishing a clearer identity of himself/himself and his/her relationship to the world around him/her.

The objectives of the information and guidance services are to facilities the development of students and to help them make the most of their University experience. Specifically, these may include counseling towards enhancing self-understanding, selecting appropriate educational and vocational goals, improving effectiveness in working towards these goals, increasing social competence and resolving personal difficulties which interfere with general functioning and development.

The counseling process includes individual interviews with professionally trained counseling psychologists. The service is free and is available to all students. Appointments are arranged on an individual or group basis to suit students' convenience. All information are strictly confidential. A service is supported by other resource personnel.

The counseling members of staff are there physically and online to assist students to make intelligent decisions regarding their time, money, skill, sex, vocation, education and social plans.

The Centre has made arrangements to assign each student to a counselor for consultation. Students needing academic assistance are encouraged to seek help before their problems become critical or chronic.

HOSTEL ACCOMODATION

Caleb University is primarily residential for students (Full time) and members of staff. To this end, each student is expected to arrange for his/her own accommodation. Assistance in locating housing is available at the student's representative offices. Financial arrangement for rooms and apartments is made on an individual basis between the student and the landlord/agent. Students are constantly reminded not to keep money in their rented quarters. They are also reminded to take home their costly luggage during vacations, semester breaks or any public holiday.

CAMPUS SECURITY

With increasing crime waves all over the country, even at the best of times, it has not been possible for the Nigerian police, with its limited manpower resources to provide all the security for life and property required by corporate communities like Caleb University, Lagos.

To complement the efforts of the police, a University Security Unit was created as far back as the inception of the University. The Security Unit is charged with the responsibility of enforcing all University bye laws and regulations in addition to the protection of lives and properties on the University's campuses.

As a routine, all incidents such as crimes, disturbances, accidents, fire outbreak etc. are first reported to the security unit, which deals with such reports or directs appropriate cases to the police for investigation. The security unit is headed by an Chief Security Officer. A security man could be identified with a prescribed uniform.