



UGANDA TECHNOLOGY & MANAGEMENT

UNIVERSITY

For an Open Mind

UNDERGRADUATE HANDBOOK

SEPTEMBER 2013

KEY OFFICES AND THEIR CONTACTS

Vice Chancellor:

Prof. Venansius Baryamureeba

E-mail: vc@utam.ac.ug

Tel: +(256)782419042/782419042/701871684

Deputy Vice Chancellor

Dr. Jude Lubega

E-mail: dvc@utam.ac.ug

Tel: +(256)782419042/782419042/701871684

Director Finance & Administration/ University Secretary

Mr. Orwohwun Charles

Email: us@utam.ac.ug

Tel: +(256)782419042/782419042/701871684

Director Academic Affairs/Academic Registrar

Dr. Rehema Baguma

E-mail: ar@utam.ac.ug

Tel: +(256)782419042/782419042/701871684

Director Directorate of Engagement, Research and Innovation

Dr. Florence Tushabe

E-mail: research@utam.ac.ug

Tel: +(256)782419042/782419042/701871684

Director, Directorate of ICT, Quality Assurance & Library Services

Dr. Johnson Mwebaze

E-mail: +(256)782419042/782419042/701871684

Tel:jmwebaze@utam.ac.ug

Dean School of Computing & Engineering

Dr. John Ngubiri

E-mail: deancs@utam.ac.ug

Tel: +(256)782419042/782419042/701871684

Dean School of Business & Management

Prof. Benon Basheka

E-mail: deanbm@utam.ac.ug

Tel: +(256)782419042/782419042/701871684

Senior Registrar

Ms Grace Nakawunde

E-mail: gnakawunde@utam.ac.ug

Tel: 256782419042, +25670187168

Accountant

Mr. Baker Ssekitto

Tel:+(256)782419042/782419042/701871684

Administrators

Ms Mary Nantumbwe

E-mail: info@utam.ac.ug

Tel: 256782419042, +25670187168

UTAMU Vision Statement

To be a global educational institution for management, science, technology and innovation.

UTAMU Mission Statement

To provide global quality education, research and innovation critical to economic and human development.

About the Handbook

This handbook describes the range of undergraduate programmes offered by Uganda Technology and Management University together with the information to assist the students in planning for their degree programmes. The hand book also describes the various short/certification courses offered at the same University. It further gives the details of qualifications/pre-requisites for the courses, students' regulations as well as the details of the fees structure. Therefore, it is of great importance that continuing and prospective students study this book with care for purposes of mastering the University regulations and other issues pertaining to the programmes offered. Uganda Technology and Management University takes pride in offering the best Technology and Management services, quality teaching and research and it is our hope that you find this handbook helpful as far as studying at UTAMU is concerned.

Message from the Vice Chancellor

Welcome to Uganda Technology and Management University (UTAMU). UTAMU is here to offer experiential and outstanding learning and teaching for a 21st Century student. At UTAMU,

we nurture students and help them become what they want to be after their studies. UTAMU was established with a purpose of making a difference in the training of technology and management professionals within the region. With our vision of being a global educational institution for management, science, technology and innovation, UTAMU is committed to achieving it through an enriched learning experience that blends a variety of teaching and learning methods. It is very satisfying to the founders of UTAMU to have established a University that has great focus on the quality of teaching and research, engagement and innovation.

UTAMU Programmes are based in two Schools: the School of Computing and Engineering is equipped with the most experienced human resource that can be found in the region. This School is meant to nurture innovative minds in Computing and Engineering disciplines for tomorrow. The School of Business and Management was established to produce entrepreneurs with best practice skills in business. Students in this school undertake a big part of their studies through experiential learning to equip them with all the necessary skills and values of the work place.

1. INTRODUCTION TO UGANDA TECHNOLOGY AND MANAGEMENT UNIVERSITY (UTAMU)

Uganda Technology and Management University runs various programmes ranging from Masters, Postgraduate Diplomas, Bachelor programmes, undergraduate diplomas and certificates in Technology and Management related fields. UTAMU is comprised of 2 schools i.e. School of Computing and Engineering (SCE) and School of Business and Management (SBM). The University Management comprises of the Vice Chancellor, Deputy Vice Chancellor, Director Finance & Administration/University Secretary, Director Academic Affairs/Academic Registrar, Director ICT, Quality Assurance & Library Services, Director Engagement, Research & Innovation, Dean School of Computing & Engineering and Dean School of Business & Management. Under the leadership of the visionary management, UTAMU is focused on establishing engaged scholarship based teaching and research through collaborations with public, private, non-profit as well as community organizations. Today Uganda Technology & Management University (<http://www.utamu.ac.ug>) is the main Technology and Management training, research and consultancy centre in Uganda.

2. THE PROGRAMMES OFFERED BY UGANDA TECHNOLOGY AND MANAGEMENT UNIVERSITY

2.1 School of Computing and Engineering (SCE)

The objective of the School is to nurture innovative minds in computing and engineering disciplines for tomorrow. The School runs the following undergraduate programmes:

- Bachelor of Science in Computer Science (BSc.SC) 3 years
- Bachelor of Information Systems and Technology (BIST) 3 years

2.2 School of Business and Management

The main objective of the School is to produce graduates with best practice skills and values in business and management. Students in this school undertake a big part of their studies through experiential learning to equip them with all the necessary skills and values of the work place.

The School runs the following undergraduate programmes:

- Bachelor of Business Administration (BBA) 3 years
- Bachelor of Arts in Economics (BAECON) 3 years
- Bachelor of Science in Economics (BSC ECON) 3 years

3. SUMMARY OF UNDERGRADUATE PROGRAMMES AT UGANDA TECHNOLOGY AND MANAGEMENT UNIVERSITY

3.1 Bachelor of Science in Computer Science (BSc. CS)

The Bachelor of Science in Computer Science Degree Programme is a three year fulltime degree programme that targets prospective students with a background in Mathematics. The majority of graduates from the B.Sc. Computer Science Degree Programme are expected to take up positions such as Database Administrators, System Administrators, Network Administrators, Software Engineers, Computer Scientists, Computer Science Lecturers, Researchers, Database Programmers, and Computer/Systems Programmers. Others will take up further studies in Computer Science like the MSc. in Computing Degree that is available under UTAMU's Graduate programmes. The Bachelor of Science in Computer Science Degree Programme is offered to satisfy the demand for creative and practical Computer Scientists in both the private and public sectors and to provide a basis for Postgraduate Studies in Computer Science. It also provides an avenue to those already engaged in the computing and ICT sector with out a degree qualification in Computer Science to enhance their knowledge and skills and obtain formal qualifications.

3.1.1 Target group

The programme targets three categories of people namely: A' level certificate holders, Diploma holders in relevant programmes and mature age students.

3.1.2 Duration

The program lasts three academic years. Each academic year consists of two semesters and community engagement. A semester lasts 15 weeks while community engagement each year lasts 4 weeks.

3.1.4 Objectives

The B.Sc.Computer Science Degree will: -

- Develop professionals with theoretical and practical skills in Computer Science.
- Strengthen capacity and institutional building in Computer Science in tertiary institutions, the private and public sectors.

- Build a management capacity with a practical orientation needed to link up the Computer Science sector with the Government and Industry under the broader perspective of computing and ICT.
- Provide most of the computing and ICT professionals needed by the Ugandan market and the region.

3.1.5 Admission Requirements

To be admitted for a course leading to the award of Bachelor of Science in Computer Science Degree, a candidate must satisfy the general minimum entry requirements of UTAMU. In addition, the following regulations shall hold: -

a) Direct Entry Scheme

Candidates seeking admission through the direct entry shall require the following: -

- At least two principal passes at the same sitting in Uganda Advanced Certificate of Education (UACE).
- At least one subsidiary pass in Mathematics in Uganda Advanced Certificate of Education (UACE).

b) Mature Age

For admission under mature age, a candidate must have passed the university mature age entry examinations. To sit for university mature age, the candidate must be at least 25 years and must have completed UCE at least 3 years earlier.

c) Diploma Holders

- Applicants should possess at least a second class (lower division) Diploma in Computer Science, Engineering, Statistics, Information Technology, Information Systems or related field from any recognized Institution.
- At least one subsidiary pass in Mathematics in UACE
- At least one principal pass and two subsidiary passes at same sitting in UACE.

3.1.6 International students' admission requirements

- i. Uganda Technology and Management University welcomes international candidates who satisfy the minimum entry requirements. Candidates **MUST** have done Mathematics and scored at least a subsidiary pass in it at A' level.
- ii. Candidates from countries where the language of instruction is not English are required to provide evidence of proficiency in English. Foreign applicants currently residing in Uganda may however sit an English proficiency test conducted by Uganda Technology and Management University.

In addition to the above, candidates should possess the following:

- At least an O-level certificate or an equivalent qualification (secured at the same sitting) and
- At least two principal passes at A' Level or an equivalent qualification (secured at the same sitting).

- Applicants should know that to be eligible for admission, the last examination must have been sat during the year in which admission is being sought or not more than two years previously.

4. COURSE DESCRIPTION

4.1 CS 101: Computer Applications & Systems

Credit Units: 3
Contact Hours: 45

Course Description:

This course introduces the students to the general principles of computers, the common language and terminologies used in the ICT world, the role of computers in organizations and society as well as using common microcomputer applications. The course creates a solid basis on which further advanced courses in ICT are to be built.

4.1.3 IT 100: Internet Technology & Web site Design

Credit Units: 4
Contact Hours: 60

Course Description:

This course will provide knowledge on the basics of the Internet, its origin, how it is managed and organized. It also teaches learners how to develop websites using contemporary tools and techniques. It further teaches learners on state of practice in maintaining websites as well as monitoring them.

4.1.4 BA 100: Organizational Theory & Management

Credit Units: 3
Contact Hours: 45

Course Description

This is an introductory management course that focuses on the fundamentals of organizations and management practice. It explores the functions of management (Planning, Organizing, Leading and Controlling) as well as, the aspects of the organizational environment. The principles learned in this course will enable the student to understand and appreciate the role of managers and management in organizations; as well as the foundations of organizational systems, structures and change process.

4.1.5 BA 104: Business Communication

Credit Units: 3
Contact Hours: 45

Course Description:

The course provides understanding of communication, its scope and importance in business, and the role of communication in establishing a favorable outside the firm environment, as well as an effective internal communications program. The various types of business communication media are covered. The course will assist students with the language and communications skills necessary to ensure that they not only relay messages and ideas effectively but that it carries the impact of to promote business organization success.

4.1.6 MT 101: Discrete Mathematics

Credit Units: 3
Contact Hours: 45

Course Description

This course introduces the foundations of discrete mathematics as they apply to computer science. It focuses on providing a solid theoretical foundation for further work. Topics covered include functions, relations, sets, simple proof techniques, Boolean algebra, propositional logic, digital logic, elementary number theory, and the fundamentals of counting.

4.2 Year One Semester two

4.2.1 CS 102: Computer Architecture

Credit Units: 3
Contact hours: 45

Course Description

This course introduces the logical architecture and organization of computer systems. It highlights the lower end operations in a typical computer as well as the way computers manage their resources during operation. The course opens up a student to be an informed user of the computer rather than a passive recipient of the computer services.

4.2.2 CS 200: Object Oriented Programming

Credit Units: 4
Contact Hours: 60

Course Description

The object oriented programming paradigm has been used in many projects to build complex software systems. This course provides students with the opportunity to acquire skills for building software based on the object oriented paradigm using a selected language (e.g. C++, Java).

4.2.3 IS 100: ICT in Organizations

Credit Units: 3

Contact Hours: 45

Course Description

This course gives students an in depth understanding of the ways ICTs are used in organizations to improve their processes. It caters for operational, managerial and strategic issues associated with ICT. The course also highlights aspects of the use ICT in integration and monitoring of different activities in the organization so as to achieve the global organizational goals.

4.2.4 BA 107: Principles of Marketing

Credit Units: 3

Contact Hours: 45

Course Description

This course introduces the learners to retail and international marketing strategies as well as how to improve on sales of a business. They discuss what makes some business successful and other failures and develop strategies on how businesses can thrive.

4.2.5 MT 104: Linear Programming

Credit Units: 4

Contact hours: 60

Course Description

The course is to introduce students to the broad concepts of Linear Programming. Students will learn how to interpret and analyze LP problems, formulate them as problems and use existing techniques to solve them.

4.3 Year One Recess Term

4.3.1 TM 100: Community Engagement I

Credit Units: 5

Contact Hours: 225

Course Description

This course seeks to orient students into a workplace so that they can, in a holistic way, learn how to fit into an organization and contribute to the global organizational goals. Students are placed in the organization and are required to participate in the day today work under the organizational and university supervisor. Emphasis is put on the ability to fit in the organizational set up, ability to contribute to the organizational goals and flexibility to adopt to new environment. At this level, the student is expected to be deployed at the lowest operational level of the organization.

4.4 Year Two Semester One

4.4.1 CS 201: Operating Systems

Credit Units: 4
Contact Hours: 60

Course Description:

This course introduces learners to the services and workings of operating systems. It exposes them to details on how an operating system controls all the processes of a computer system including those of peripheral devices.

4.4.2 CS 202: Data Structures & Algorithms

Credit Units: 3
Contact Hours: 45

Course Description

The course gives students a firm foundation of data structures and algorithms. The course trains students on systematic development and analysis of algorithms. The importance of algorithm complexity on computer performance is emphasized. Typical computational problems and their solutions/analysis are to be covered.

4.4.3 CS 203: Artificial Intelligence

Credit Units: 3
Contact Hours: 45

Course Description:

This course introduces the learners to artificial agents and exposes them to the mechanisms underlying their thought and intelligent behavior. It caters for their foundation knowledge in logic, precedence's and discrete mathematics to applications.

4.4.4 BA 108: Entrepreneurship Theory & Principles

Credit Units: 3
Contact Hours: 45

Course Description:

The course introduces the students to the basic concepts in entrepreneurship, identification of opportunities, business evaluation and analysis. It provides students with the skills needed to effectively organize, create, develop, and manage own business. The course gives students an opportunity to make creative business decisions to meet current needs of business venture.

4.4.5 NW 200: Computer Networks & Data Communications

Credit Units: 4

Contact Hours: 60

Course Description:

This course examines the principles, design, implementation, and performance of computer network and data communication systems. It exposes students to theoretical and practical skills that are required in the design, set-up and management of computer networks.

4.4.6 IS 300: Database Management Systems

Credit Units: 4

Contact Hours: 60

Course Description:

This course provides students with theoretical and practical knowledge in modeling, designing, implementing and tuning database systems/applications. The theoretical foundations of DBMS as well as practical considerations are to be discussed exhaustively. The course also gives students practical skills on development of database driven applications.

4.5 Year Two Semester Two

4.5.1 CS 204: Systems programming

Credit Units: 4

Contact Hours: 60

Course Description

Systems programming is aimed at teaching students how to write programs using system level services. The system of instruction is UNIX due to availability of free system tools that have been largely developed by and for the academia.

4.5.2 CS 205: Cryptology & Coding Theory

Credit Units: 4

Contact Hours: 60

Course Description

This course provides a foundation for further studies in information security. The course introduces students to the exciting fields of cryptology and coding theory. Fundamentally, it deals with the mathematics that underlies modern cryptology. Cryptology combines the studies of cryptography, the creating of masked messages, and cryptanalysis, the unraveling of masked messages. Coding theory is the study of coding schemes used to detect and correct errors that occur during the data transmission.

4.5.3 SE 200: Software Engineering

Credit Units: 4

Contact Hours: 60

Course Description:

This course deals with problems encountered in constructing software systems. It introduces students to techniques and methodologies of software design and development. It also imparts management and evaluation skills for software development.

4.5.4 TM 201: Research Methods

Credit Units: 3

Contact Hours: 45

Course Description:

This course exposes the student to the theoretical and practical concepts of research. It provides the skills, methods and competences that are necessary to collect, analyse, summarise and present quantitative and qualitative data.

4.5.5 CS 206: Computer Graphics

Credit Units: 3

Contact Hours: 45

Course Description

This course introduces students to the basic principles of computer graphics. Students are exposed to the knowledge and skills of using computer graphics to portray real or imagined concepts.

4.5.6 IS 301: Data Warehousing

Credit Units: 3

Contact Hours: 45

Course Description

This course covers techniques and software tools that can assist management that deals with large amounts of data in management and business decision making. The course covers the fundamental differences between databases and data warehouses, the techniques of developing data warehouses as well as manipulating them to generate business strategic decisions.

4.5.7 IT 200: Information Security

Credit Units: 3

Contact Hours: 45

Course Description:

This course familiarizes the students with existing security problems and the techniques that can be applied to overcome them. Focus is given to security of information that is stored in files or in databases.

4.5.8 NW 300: Mobile Technologies

Credit Units: 3

Contact Hours: 45

Course Description:

The course introduces common concepts in mobile computing and mobile application development. It helps the student appreciate core concepts in mobile technologies and aids in practical development of mobile applications. The students are also exposed to emerging issues in mobile technologies.

4.6 Year Two Community Engagement**4.6.1 TM 200: Community Engagement II**

Credit Units: 5

Contact Hours: 225

Course Description

This course seeks to orient students into a workplace so that they can, in a holistic way, learn how to fit into an organization and contribute to the global organizational goals. Students are placed in the organization and are required to participate in the day today work under the organizational and university supervisor. Emphasis is put on the ability to fit in the organizational set up, ability to contribute to the organizational goals and flexibility to adopt to new environment. At this level, the student is expected to be deployed at the intermediate operational level of the organization.

4.7 Year Three Semester One**4.7.1 CS 300: Emerging Trends in Computer Science**

Credit Units: 3

Contact Hours: 45

Course Description

The course looks at Computer Science as a fast changing field where a lot of changes are taking place both in applications and technology. It is to provide students with an opportunity to search for knowledge in a pre-approved area of Computer Science. It gives students opportunity to do lightweight research and explore the current trends in a certain computer science area.

4.7.2 NW 201: Mobile Applications Programming

Credit Units: 3
Contact Hours: 45

Course Description:

The course introduces common concepts in mobile application programming. Students are exposed to varied development tools, languages and environments used in the programming of mobile applications. The course will offer either one or a blend of three implementation platforms; iOS (for Apple iPhone), Java (for Android) and .NET (for Windows Mobile).

4.7.3 CS 301: Games Development

Credit Units: 4
Contact Hours: 60

Course Description:

This course introduces students to programming languages that enable computer games development. They gain both theoretical and practical skills in games development

4.7.4 CS 302: Digital Devices Forensics

Credit Units: 3
Contact Hours: 45

Course Description:

This course provides an introduction to digital devices and the Forensic procedures related to PDAs, Cell phones, Embedded Chip Devices, and Digital Audio and Video Players. The course combines theory and hands on learning.

4.7.5 IS 200: Systems Administration

Credit Units: 4
Contact Hours: 60

Course Description:

This course provides the most essential aspects of System/Network administration. It exposes learners to the analysis and troubleshooting of problems that arise from day to day use of computer networks. It also develops the multiple skills necessary to perform systems administration tasks.

4.7.6 IT 201: Legal & Professional Issues in Computing

Credit Units: 3
Contact Hours: 45

Course Description:

The course addresses ethical issues in an IT environment. It explores cases of an ethical

conduct possible by IT professionals and how they can impact on the overall success/failure.

4.8 Year Three Semester Two

4.8.1 BA 200: Project Planning & Management

Credit Units: 3
Contact Hours: 45

Course Description

This course provides the student with a comprehensive, integrative understanding of Program/project planning and management process. It covers the fundamentals of project management and helps participants to understand how a project is conceptualized and initiated in support of the strategy and plans of the organization. The course focuses on the design, development, and implementation of programs and projects.

4.8.2 SE 300: Software Testing

Credit Units 3
Contact Hours 45

Course Description

This course provides students with skills of testing the validity of software. It provides students with state of practice methods of testing software so that software's are free from logical, syntactical and logical loopholes.

4.8.3 TM 301: Project

Credit units: 4
Contact hours: 60

Course Description

This is a cross-cutting course in which students are challenged to formulate and implement a non-trivial project that integrates the knowledge and theory acquired over the previous five semesters with a practical, real-life problem. Emphasis will be put on the systematic formulation of a problem, development of a suitable methodology, the documentation of the solution to the problem, and how well the solution addresses the problem.

4.8.4 CS 303: Image Processing

Credit Units: 3
Contact Hours: 45

Course Description:

This course introduces the students to image processing techniques, image description, modification and enhancement. These can be done either in the frequency or spatial domain. They are also exposed to application areas for within feature extraction, object recognition, segmentation and color processing.

4.8.5 CS 304: Data Forensics

Credit Units: 3
Contact Hours: 45

Course Description:

This course introduces the learner to skills on how to perform a forensic analysis of digital data. They are exposed to software that performs data recovery from files, operating systems and databases.

4.8.6 NW 301: Network Security

Credit Units: 4
Contact Hours: 60

Course Description:

This course familiarizes the students with existing security problems and the techniques that can be applied to overcome them. Focus is given to security of devices and information that is in transit or that is being used in a networked environment.

4.9 Year Three Community Engagement

4.9.1 TM 300: Community Engagement III

Credit Units: 5
Contact Hours: 225

Course Description

This course seeks to orient students into a workplace so that they can, in a holistic way, learn how to fit into an organization and contribute to the global organizational goals. Students are placed in the organization and are required to participate in the day today work under the organizational and university supervisor. Emphasis is put on the ability to fit in the organizational set up, ability to contribute to the organizational goals and flexibility to adopt to new environment. At this level, the student is expected to be deployed at a relatively complex level of the organization.

3.2 Bachelor of Information Systems and Technology (BIST)

The Bachelor of Information Systems and Technology (BIST) is a three year full-time degree programme open to all prospective students. The Bachelor of Information Systems and Technology seeks to develop high quality human resources for the public and private sectors so as to maximize the utility of ICT in organizations. Others will take up further studies in Information Technology like a Master of Information Technology (MIT).The Bachelor of Information Systems & Technology Degree Programme is offered to give an opportunity to prospective students to undertake engaged scholarship oriented training in Information Systems & Technology. This programme also provides an avenue to those already engaged in the IT-

sector without formal degree qualifications in IST to join the BIST Degree Programme through either direct, diploma or mature age entry schemes.

3.2.1 Target group

The programme targets three categories of people namely: A' level certificate holders, Diploma holders in relevant programmes and mature age students.

3.2.2 Nature of the Programme

This is a private sponsored programme with day and evening options.

3.2.3 Duration

The program lasts three academic years. Each academic year consists of two semesters and one Community engagement. A semester lasts 15 weeks while community engagement lasts 4 weeks.

3.2.4 Objectives

The BIST Degree will:

- a. Exploit the entrepreneurial aspects of ICT in order to strengthen the competitiveness of the organizations
- b. Plan, manage and configure networks and computer systems so as to improve their utility and effectiveness in organizations
- c. Specify and test computer systems necessary in the day today running of organizations
- d. Integrate, evolve and tune systems in organizations
- e. Competently utilize ICT to support the different levels of management in organizations.

3.2.5 Admission Requirements

To be admitted for a course leading to the award of Bachelor of Information Systems & Technology Degree, a candidate must satisfy the general minimum entry requirements of UTAMU. In addition, the following regulations shall hold for the BIST Degree: -

a) Direct Entry Scheme

Candidates seeking admission through the direct entry scheme require the following: -

- At least two principal passes at the same sitting in Uganda Advanced Certificate of Education (UACE).

b) Mature Age Scheme

For admission under mature age, a candidate must at least:-

- Be 25 years old at the time of application
- Have Uganda Certificate of Education of at least 3 year standing
- Have passed the university mature age entry examinations.

c) Diploma Holders Scheme

- Applicants should possess at least a second class (lower division) Diploma in Computer Science, Engineering, Statistics, Information Technology or a related field from any recognized Institution.

- At least one principal and two subsidiary passes at the same sitting in UACE.

3.2.6 International students' admission requirements

- i. Uganda Technology and Management University welcomes international candidates who satisfy the minimum entry requirements. Candidates **MUST** have done and scored at least three subsidiary passes in any subjects done at A' level except Fine Art and Languages.
- ii. Candidates from countries where the language of instruction is not English are required to provide evidence of proficiency in English. Foreign applicants currently residing in Uganda may however sit an English proficiency test conducted by Uganda Technology & Management University.

In addition to the above, candidates should possess the following:

- At least an O-level certificate or an equivalent qualification (secured at the same sitting) and
- At least two principal passes at A' Level or an equivalent qualification (secured at the same sitting). Applicants should know that to be eligible for admission, the last examination must have been sat during the year in which admission is being sought or not more than two years previously.

COURSE DESCRIPTION

4.1.1 IT 100: Internet Technologies & Website Design

Credit Units: 4

Contact Hours: 60

Course Description:

This course will provide knowledge on the basics of the Internet, its origin, how it is managed and organized. It also teaches learners how to develop websites using contemporary tools and techniques. It further teaches learners on state of practice in maintaining websites as well as monitoring them.

4.1.2 CS 100: Structured Programming

Credit Units: 4

Contact Hours: 60

Course description

The course provides a strong base in the principles and practice of structured programming. A high level programming language (e.g. C) is used to explain the principles of programming and provide students with hands on practical skills. Areas covered include program structure, data structures, syntactical and semantic correctness, planning and segmentation in programming as well as working with data files.

4.1.3 CS 101: Computer Applications & Systems

Credit Units: 3

Contact Hours: 45

Course Description:

This course introduces the students to the general principles of computers, the common language and terminologies used in the ICT world, the role of computers in organizations and society as well as using common microcomputer applications. The course creates a solid basis on which further advanced courses in ICT are to be built.

4.1.4 BA 100: Organizational Theory & Management

Credit Units: 3

Contact Hours: 45

Course Description

This is an introductory management course that focuses on the fundamentals of organizations and management practice. It explores the functions of management (Planning, Organizing, Leading and Controlling) as well as, the aspects of the organizational environment. The principles learned in this course will enable the student to understand and appreciate the role of managers and management in organizations; as well as the foundations of organizational systems, structures and change process.

4.1.5 BA 104: Business Communication

Credit Units: 3

Contact Hours: 45

Course Description

The course provides understanding of communication, its scope and importance in business, and the role of communication in establishing a favorable outside the firm environment, as well as an effective internal communications program. The various types of business communication media are covered. The course will assist students with the language and communications skills necessary to ensure that they not only relay messages and ideas effectively but that it carries the impact of to promote business organisation success.

4.1.5 MT 100: Computational Mathematics

Credit Units: 3

Contact Hours: 45

Course Description

This course gives students knowledge of basic mathematics that is necessary in this program. It provides students with skills in calculus, linear equations, Series, Algebra and Geometry.

4.2 Year one semester two

4.2.1 IS 100: ICT in Organisations

Credit Units: 3

Contact Hours: 45

Course Description

This course gives students an in-depth understanding of the ways ICTs are used in organisations to improve their processes. It caters for operational, managerial and strategic issues associated with ICT. The course also highlights aspects of the use ICT in integration and monitoring of different activities in the organisation so as to achieve the global organisational goals.

4.2.2 IS 201: Management Information Systems

Credit Units: 3

Contact Hours: 45

Course Description

This course is to give students an in-depth understanding of Information Systems and how they shape the world of business. Students will be introduced on what constitutes information systems as well as how they are used to improve productivity and efficiency in organisations. Several case studies will be discussed and evaluated.

4.2.3 BA 107: Principles of Marketing

Credit Units: 3

Contact Hours: 45

Course Description

This course introduces the learners to retail and international marketing strategies as well as how to improve on sales of a business. They discuss what makes some business successful and other failures and develop strategies on how businesses can thrive.

4.2.4 CS 200: Object Oriented Programming

Credit Units: 4

Contact Hours: 60

Course Description

The object oriented programming paradigm has been used in many projects to build complex software systems. This course provides students with the opportunity to acquire skills for building software based on the object oriented paradigm using a selected language (e.g. C++, Java)

4.2.5 MT 105: Probability & Statistics

Credit Units: 4

Contact Hours: 60

Course Description:

This course will introduce students to the fundamentals of probability and statistics as well as their use in the area of ICT. It covers both the theoretical and the application issues of probability and statistics.

4.3 Year one recess term

4.1.1 TM 100: Community Engagement I

Credit Units: 5
Contact Hours: 225

Course Description

This course seeks to orient students into a workplace so that they can, in a holistic way, learn how to fit into an organization and contribute to the global organizational goals. Students are placed in the organization and are required to participate in the day today work under the organizational and university supervisor. Emphasis is put on the ability to fit in the organizational set up, ability to contribute to the organizational goals and flexibility to adopt to new environment. At this level, the student is expected to be deployed at the lowest operational level of the organization.

4.4 Year two semester one

4.4.1 IT 202: Legal & Ethical Issues in Computing

Credit Units: 3
Contact Hours: 45

Course Description:

The course addresses ethical issues in an IT environment. It explores cases of an ethical conduct possible by IT professionals and how they can impact on the overall success/failure.

4.4.2 IS 300: Database Management Systems

Credit Units: 4
Contact Hours: 60

Course Description:

This course provides students with theoretical and practical knowledge in modeling, designing, implementing and tuning database systems/applications. The theoretical foundations of DBMS as well as practical considerations are to be discussed exhaustively. The course also gives students practical skills on development of database driven applications.

4.4.3 BA 108: Entrepreneurship Theory & Principles

Credit Units: 3
Contact Hours: 45

Course Description:

The course introduces the students to the basic concepts in entrepreneurship, identification of opportunities, business evaluation and analysis. It provides students with the skills needed to effectively organize, create, develop, and manage own business. The course gives students an opportunity to make creative business decisions to meet current needs of business venture.

4.4.4 NW 200: Computer Networks & Data Communication

Credit Units: 4
Contact Hours: 60

Course Description:

This course examines the principles, design, implementation, and performance of computer network and data communication systems. It exposes students to theoretical and practical skills that are required in the design, set-up and management of computer networks.

4.4.5 CS 201: Operating Systems

Credit Units: 4
Contact Hours: 60

Course Description

This course introduces learners to the services and workings of operating systems. It exposes them to details on how an operating system controls all the processes of a computer system including those of peripheral devices.

4.5 Year two semester two

4.5.1 IS 202: Systems Analysis & Design

Credit Units: 3
Contact Hours: 45

Course Description

The course uses structured systems analysis & design techniques to develop and document effective computer based information systems. It focuses on the tools and techniques used for analysis and design of systems to meet the increasing need for information within organizations.

4.5.2 IS 301: Data Warehousing

Credit Units: 3

Contact Hours: 45

Course Description

This course covers techniques and software tools that can assist management that deals with large amounts of data in management and business decision making. The course covers the fundamental differences between databases and data warehouses, the techniques of developing data warehouses as well as manipulating them to generate business strategic decisions.

4.5.3 IS 302: Business Process Modeling

Credit Units: 4

Contact Hours: 60

Course Description

This course trains candidates in the modeling process of business processes. It uses different techniques and tools. It aids the students with skills to systematically model and therefore understand business processes. This makes it possible to develop strategies to improve them.

4.5.4 TM 201: Research Methods

Credit Units: 3

Contact Hours: 45

Course Description:

This course exposes the student to the theoretical and practical concepts of research. It provides the skills, methods and competences that are necessary to collect, analyse, summarise and present quantitative and qualitative data.

4.5.5 IT 200: Information Security

Credit Units: 3

Contact Hours: 45

Course Description

This course familiarizes the students with existing security problems and the techniques that can be applied to overcome them. Focus is given to security of information that is stored in files or in databases..

4.5.6 IS 303: Enterprise Architecture

Credit Units: 4

Contact Hours: 60

Course Description:

This course explores the design, selection, implementation and management of enterprise IT solutions. The focus is on applications and infrastructure and their fit with the business.

Topics covered will address enterprise architecture concerns both within and beyond the organization, with attention paid to managing risk and security within audit and compliance standards. Students will also perfect their ability to communicate technology architecture strategies concisely to a general business audience.

4.6 Year two recess term

4.6.1 TM 200: Community Engagement II

Credit Units: 5

Contact Hours: 225

Course Description

This course seeks to orient students into a workplace so that they can, in a holistic way, learn how to fit into an organization and contribute to the global organizational goals. Students are placed in the organization and are required to participate in the day today work under the organizational and university supervisor. Emphasis is put on the ability to fit in the organizational set up, ability to contribute to the organizational goals and flexibility to adopt to new environment. At this level, the student is expected to be deployed at the intermediate operational level of the organization.

4.7 Year three semester one

4.7.1 IS 203: Risk Management & Control

Credit Units: 3

Contact Hours: 45

Course Description

The course focuses on risk management and control based on how organizations decision process flow and the general work flow management principles. The course should be able to identify and analyze key risk issues in management information systems and selector chooses the best risk management techniques. Further the course should be able to give students the different methods of monitoring of risks and apply best control techniques.

4.7.2 IS 304: Emerging Trends in Information Systems

Credit Units: 3

Contact Hours: 45

Course Description

The course looks at Information Systems as a fast changing field where a lot of changes are taking place both in applications and technology. It is to provide students with an opportunity to search for knowledge in a pre approved area of Information Systems. It gives students opportunity to do lightweight research and explore the current trends in a certain computer science area.

4.7.3 IS 305: Modeling & Simulation

Credit Units: 4

Contact Hours: 60

Course Description

The course gives students theoretical and practical skills in modeling and simulation of dynamic systems with a view of learning their behavior and the sensitivity of that behavior to certain parameters.

4.7.4 IS 200: System Administration

Credit Units: 4

Contact Hours: 60

Course Description

This course provides the most essential aspects of System/Network administration. It exposes learners to the analysis and troubleshooting of problems that arise from day to day use of computer networks. It also develops the multiple skills necessary to perform systems administration tasks.

4.7.5 IT 203: Human Computer Interaction

Credit Units: 3

Contact Hours: 45

Course Description:

The course helps students to appreciate the delicate and divergent nature of human and computer interactions. It delves into the dynamics of user interface designs including their evaluations as well as usability issues for both software and related devices.

4.7.6 NW 201: Mobile Applications Programming

Credit Units: 3

Contact Hours: 45

Course Description:

The course introduces common concepts in mobile application programming. Students are exposed to varied development tools, languages and environments used in the programming of mobile applications. The course will offer either one or a blend of three implementation platforms; iOS (for Apple iPhone), Java (for Android) and .NET (for Windows Mobile).

4.7.7 CS 301: Games Development

Credit Units: 3

Contact Hours: 45

Course Description:

This course introduces students to programming languages that enable computer games development. They gain both theoretical and practical skills in games development

4.7.8 IT 300: Emerging Trends in Information Technology

Credit Units: 3

Contact Hours: 45

Course Description

This course is to let students trends taken by Information Technology. Students, under the guidance of the teacher will chose a topic on which he/she will research and write a mini report and then present it to the class and staff. Students and staff questions and the candidate will give response. The course therefore requires the student to make a guided research in the IT trends and be able to document and defend the findings.

4.8 Year three semester two

4.8.1 BA 200: Project Planning & Management

Credit Units: 3

Contact Hours: 45

Course Description

This course provides the student with a comprehensive, integrative understanding of program/project planning and management process. It covers the fundamentals of project management and helps participants to understand how a project is conceptualized and initiated in support of the strategy and plans of the organization. The course focuses on the design, development, and implementation of programs and projects.

4.8.2 NW 301: Network Security

Credit Units: 4

Contact Hours: 60

Course Description:

This course familiarizes the students with existing security problems and the techniques that can be applied to overcome them. Focus is given to security of devices and information that is in transit or that is being used in a networked environment.

4.8.3 TM 301: Project

Credit units: 4

Contact hours: 60

Course Description

This is a cross-cutting course in which students are challenged to formulate and implement a

non-trivial project that integrates the knowledge and theory acquired over the previous five semesters with a practical, real-life problem. Emphasis will be put on the systematic formulation of a problem, development of a suitable methodology, the documentation of the solution to the problem, and how well the solution addresses the problem.

4.8.4 CS 305: Image Processing

Credit Units: 4

Contact Hours: 60

Course Description:

This course introduces the students to image processing techniques, image description, modification and enhancement. These can be done either in the frequency or spatial domain. They are also exposed to application areas for within feature extraction, object recognition, segmentation and color processing.

4.8.5 CS 306: Data Forensics

Credit Units: 4

Contact Hours: 60

Course Description:

This course introduces the learner to skills on how to perform a forensic analysis of digital data. They are exposed to software that performs data recovery from files, operating systems and databases.

4.8.6 IS 306: Data Mining & Business Intelligence

Credit Units: 4

Contact Hours: 60

Course Description:

The course introduces students to concepts behind data mining, text mining, web mining and business intelligence. It investigates various applications, methodologies, techniques, and models behind data mining and business intelligence.

4.9 Year three recess term

4.9.1 TM 300: Community Engagement III

Credit Units: 5

Contact Hours: 225

Course Description

This course seeks to orient students into a workplace so that they can, in a holistic way, learn

how to fit into an organization and contribute to the global organizational goals. Students are placed in the organization and are required to participate in the day today work under the organizational and university supervisor. Emphasis is put on the ability to fit in the organizational set up, ability to contribute to the organizational goals and flexibility to adopt to new environment. At this level, the student is expected to be deployed at a relatively complex level of the organization.

3.3 Bachelor of Science in Economics (BSc. Econ)

The Bachelor of Science in Economics is aimed at training highly skilled labour force in the general area of economics. Specifically, it is intended to produce graduates with strong analytical and modeling skills to be able to study and propose solutions to complex economic problems and paradigms. It offers a unique approach to the study of economics that creates a blend of economic theory and mathematical/computational approaches. As such, graduates are expected to exhibit strong analytical skills and have capacity to solve large and complex economic problems.

3.3.1 Target Group

The programme targets three categories of people namely: A' level certificate holders, Diploma holders in relevant programmes and mature age students.

3.3.3 Duration

The program lasts three academic years. Each academic year consists of two semesters and one Community engagement. A semester lasts 15 weeks while a recess term lasts 4 weeks.

3.3.4 Objectives

The objectives of the Bachelor of Science in Economics degree program is to produce a unique breed of economists for Uganda and the East African region as a whole. The program intends to produce graduates who will be able to:

- Perform macro and micro economic analysis
- Perform economic modeling and analysis.
- Perform monitoring and evaluation.
- Perform institutional Planning

3.3.5 Admission Requirements

Students will be admitted to the Bachelor of Science in Economics degree program through three avenues: Direct Entry, Mature Entry and Diploma Entry.

a) Direct Entry Scheme

Candidates seeking admission through the direct entry shall require the following: -

- At least two principal passes at the same sitting in Uganda Advanced Certificate

of Education (UACE) of which one must be in Economics.

- The candidate must have at least one subsidiary pass in Mathematics in UACE.

b) Mature Age scheme

For admission under mature age, a candidate must have passed the university mature age entry examinations. To sit for university mature age, the candidate must have be at least 25 years and must have completed UCE at least 3 years earlier.

c) Diploma Holders scheme

- Applicants should possess at least a second class (lower division) Diploma in Science, Business Administration, Information Technology, Engineering, Statistics or related field from a recognized institution.
- At least a principal pass in Economics and two subsidiary passes in UACE at the same sitting.
- At least a subsidiary pass in Mathematics in UACE.

3.3.6 International students' admission requirements

- i) Uganda Technology and Management University welcomes international candidates who satisfy the minimum entry requirements. Candidates **MUST** have two principal passes at the same sitting in Uganda Advanced Certificate of Education (UACE) or its equivalent of which one must be in Economics.
- ii) The candidate must have at least one subsidiary pass in Mathematics in UACE.
- iii. Candidates from countries where the language of instruction is not English are required to provide evidence of proficiency in English. Foreign applicants currently residing in Uganda may however sit an English proficiency test conducted by Uganda Technology & Management University.

In addition to the above, candidates should possess the following:

- At least an O-level certificate or an equivalent qualification (secured at the same sitting) and
- Applicants should know that to be eligible for admission, the last examination must have been sat during the year in which admission is being sought or not more than two years previously

4.1 Year one semester one

4.1.1 EC 100: Microeconomics I

Credit Units: 3

Contact hours: 45

Course Description:

The course provides students with a strong foundation in the concepts and theories that are useful in understanding, explaining and making predictions in economic behavior. These concepts and theories are to be applied in other areas like resource economics and industrial organization.

4.1.2 CS 100: Structured Programming

Credit Units: 4

Contact hours: 60

Course description

The course provides a strong base in the principles and practice of structured programming. A high level programming language (e.g.C) is used to explain the principles of programming and provide students with hands on practical skills. Areas covered include program structure, data structures, syntactical and semantic correctness, planning and segmentation in programming as well as working with data files.

4.1.3 CS 101: Computer Applications & Systems

Credit Units: 3

Contact hours: 45

Course Description:

This course introduces the students to the general principles of computers, the common language and terminologies used in the ICT world, the role of computers in organisations and society as well as using common microcomputer applications. The course creates a solid basis on which further advanced courses in ICT are to be built.

4.1.4 BA 100: Organizational Theory & Management

Credit Units: 3

Contact hours: 45

Course Description

This is an introductory management course that focuses on the fundamentals of organizations and management practice. It explores the functions of management (Planning, Organizing, Leading and Controlling) as well as, the aspects of the organizational environment. The principles learned in this course will enable the student to understand and appreciate the role of managers and management in organizations; as well as the foundations of organizational systems, structures and change process.

4.1.5 BA 104: Business Communication

Credit Units: 3

Contact hours: 45

Course Description:

This course provides students with enhanced skills and techniques to effectively communicate with their peers, subordinates and superiors. These skills include verbal, written, and non- verbal gestures. It gives emphasis on improving their command of the English language in the areas of reasoning, writing and other expressions. It also emphasizes its correct usage, style and etiquette.

4.1.5 MT 103: Statistical Methods in Economics

Credit Units: 4

Contact hours: 60

Course Description:

This course will introduce students to the fundamentals of probability and statistics as well as their use in the area of ICT. It covers both the theoretical and the application issues of probability and statistics.

4.2 Year one semester two

4.2.1 MT 106: Calculus

Credit Units: 3

Contact hours: 45

Course Description

This course introduces students to the two major branches of Calculus: Differential and Integral Calculus. Differential Calculus studies rates of change in one quantity relative to rate of change in another quantity. Integral Calculus deals with the accumulation of quantities such as distance travelled or area under a curve. The two are highly applicable in different areas of applied science. Students are to learn the foundational theories as well as some basic applications of calculus.

4.2.2 MT 107: Linear Algebra

Credit Units: 3

Contact hours: 45

Course Description:

The course introduces students to vectors, vector spaces, linear transformations and systems of linear equations. Using systems of linear equations, the course explores

mathematical properties of a vector space such as linear independence, bases and dimension. Linear transformations are studied as relationships between vector spaces leading to the rank-nullity theorem. The course also introduces students to Eigen spaces and diagonalisation.

4.2.3 MT 200: Statistical Inference

Credit Units: 3
Contact hours: 45

Course Description

The course starts deals with sampling theory with consideration of distributions related to the normal distribution like t, Chi-square and F. It emphasises parameter estimation and hypothesis testing with applications. Point and interval estimation together with estimator properties are addressed. It also addresses Chi-square tests for goodness of fit and for independence, Fisher's exact test and introduction to linear regression analysis.

4.2.4 EC 201: Rural Economics

Credit Units: 3
Contact Hours: 45

Course Description:

Lecture topics will cover the economic problem, market supply and demand, the theory of consumer behavior, the theory of the firm, production efficiency and technical change, monopoly and an introduction to welfare economics including Pareto optimality and alternative views of equity. Tutorial topics may include the role of the market and the state, partial equilibrium analysis of the effects of sales tax, Theodore Schultz's "poor but efficient" hypothesis, peasant farm household models, sharecropping and interlocking markets. Uganda's rural economics, structures, organizations, institutions, and policy will also be discussed.

4.2.5 EC 102: Macroeconomics I

Credit Units: 3
Contact Hours: 45

Course Description:

This course aims to introduce the first year students to the basic concepts of macroeconomics associated with the determination and measurement of aggregate macroeconomic variables like savings, investment, GDP, money, inflation, and the balance of payments. Thereafter students will be helped to understand Macroeconomic theory in detail and how its parts interact before getting into controversies in advanced macroeconomics. After the basics, the course will focus on the contribution of different models to the persisting macroeconomic problems such as unemployment.

4.2.6 EC 101: Principles of Development Economics

Credit Units: 3

Contact Hours: 45

Course Description:

The course will cover: introduction to development economics, economic growth and economic development, theories of development, challenges of economic development and education and development. Others will include health and development, foreign aid and foreign capital as well as country experience in economic development.

4.3 Year one recess term

4.3.1 TM 100: Community Engagement I

Credit Units: 5

Contact Hours: 225

Course Description

This course seeks to orient students into a workplace so that they can, in a holistic way, learn how to fit into an organization and contribute to the global organizational goals. Students are placed in the organization and are required to participate in the day today work under the organizational and university supervisor. Emphasis is put on the ability to fit in the organizational set up, ability to contribute to the organizational goals and flexibility to adopt to new environment. At this level, the student is expected to be deployed at the lowest operational level of the organization.

4.4 Year two semester one

4.4.1 BA 108: Entrepreneurship Theory & Principles

Credit Units: 3

Contact hours: 45

Course Description:

Nearly all organisations now thrive on the creative and focused nature of the critical thinkers behind them. This course equips students with entrepreneurial skills that can be able to help them nurture new organisations of maintain and energize the existing ones to ensure their growth and survive in the current competitive world.

4.4.2 EC 300: Microeconomics II

Credit Units: 3

Contact Hours: 45

Course Description:

This is an extension of the previous microeconomics course taken i.e. Microeconomic I. It is divided into the following topics; Theory of consumer behavior; Theory of producer behavior; Taxes and economic decision making; Antitrust and regulation; General equilibrium; Welfare economics.

4.4.3 EC 301: Macroeconomics II

Credit Units: 3
Contact Hours: 45

Course Description:

This course is designed to give students a consistent way of approaching the full range of contemporary Macroeconomic issues. At this stage, the student needs a lot of guidance in internalizing how formal models can be used to explain the real world economy. Thus the course is dedicated to showing the application of the theory to real events and issues and in helping the student learn how to: think like an “economist”. The numerous “Application” are designed to show how theory can be used to understand an important episode or issue such as the impact of tax reform, the causes and effects of the LDC debt crisis, the long run viability of manufacturing in the face of foreign competition, etc.

4.4.4 EC 302: Econometrics

Credit Units: 4
Contact Hours: 60

Course Description:

This course is meant to introduce to students what Econometrics is all about. Econometrics is a set of research tools employed in the business disciplines of Accounting, Finance, Marketing, and Management. It is also used by Social Scientists, specifically researchers in History, Political Science, and Sociology, and it even plays an important role in such diverse fields as Forestry and Agricultural Economics. Studying Econometrics will help students transition from being a student of Economics to a practicing Economist. By taking this course, they will gain an overview of what Econometrics is about and develop some “Intuition” About How Things Work. This course will facilitate students with communication between Econometricians and users of their work plus helping individuals develop the ability to have perspective on Econometric work and to make a critical evaluation of it. Experience with the practice of Econometrics and a knowledge of the potential problems that can arise are essential for developing instincts for judging how much one can rely in the findings of a particular study.

4.4.5 MT 201: Differential Equations

Credit Units: 4
Contact Hours: 60

Course description

This course introduces the student to various methods for solving first order and second order differential equations and difference equations. The course also covers methods used in power series solutions for the first and second order differential equations and linear equations of nth order. Systems of differential equations are also covered. Applications in Physics, Ecology, Environment and Biology are given.

4.4.6 EC 304: *Monetary Economics*

Credit Units: 3

Contact Hours: 45

Course Description:

This course introduces students to an understanding of the basic concepts of monetary economics in the context of developing countries. Students will be able to apply the skills in developing monetary policies.

4.5 Year two semester two

4.5.1 TM 201: Research Methods

Credit Units: 3

Contact hours: 45

Course description:

This course exposes the student to the theoretical and practical concepts of research. It provides the skills, methods and competences that are necessary to collect, analyze, summarise and present quantitative and qualitative data.

4.5.2 EC 305: Public Finance & Fiscal Policy

Credit Units: 3

Contact Hours: 45

Course Description:

This course introduces students to an understanding of concepts related to taxation and public expenditure in developing countries and applies the issues learnt into the practical experience of developing economies.

4.5.3 EC 306: Economic Planning & Policy

Credit Units: 3

Contact Hours: 45

Course Description:

This course is designed to equip students with the analytical tools to examine the planning techniques and how they influence policies. The focus of the course is on planning theories, models and illustrative examples of planning techniques are reviewed. Upon completion, students will have an insight on how policies and planning techniques can promote economic stability and sustainability especially in the developing countries.

4.5.4 IS 201: Management Information Systems

Credit Units: 3

Contact Hours: 45

Course Description:

This course is to give students an in-depth understanding of Information Systems and how they shape the world of business. Students will be introduced on what constitutes information systems as well as how they are used to improve productivity and efficiency in organisations. Several case studies will be discussed and evaluated.

4.5.5 EC 205: Monitoring & Evaluation

Credit Units: 3

Contact Hours: 45

Course description

This course will introduce students to Definitions and types of monitoring and evaluation; Rationale for monitoring and evaluation as project management tools; Development of monitoring and evaluation indicators; Design of monitoring and evaluation plans and strategies; Stages of project lifecycle emphasizing logical frameworks; Monitoring and evaluation research designs; application of M&E to population and health programmes;

- Preparation and dissemination of monitoring and evaluation reports.

4.5.6 EC 206: Economic Modeling

Credit Units: 4

Contact Hours: 60

Course Description

This course introduces students to the concept of modeling of economic scenarios using pretested tools and theories. It is to help economists come up with conclusions without necessarily making other factors constant hence making more realistic conclusions.

4.6 Year two recess term

4.6.1 TM 200: Community Engagement II

Credit Units: 5
Contact Hours: 225

Course Description

This course seeks to orient students into a workplace so that they can, in a holistic way, learn how to fit into an organization and contribute to the global organizational goals. Students are placed in the organization and are required to participate in the day today work under the organizational and university supervisor. Emphasis is put on the ability to fit in the organizational set up, ability to contribute to the organizational goals and flexibility to adopt to new environment. At this level, the student is expected to be deployed at the intermediate operational level of the organization.

4.7 Year three semester one

4.7.1 MT 300: Stochastic Processes

Credit Units: 4
Contact Hours: 60

Course Description

The aim of this course is to provide a ground for stochastic processes and survival models and their application. It gives an introduction to actuarial modeling course.

4.7.2 EC 309: Industrial Economics

Credit Units: 3
Contact Hours: 45

Course Description

This course examines the various theories about the operations of firms and industries. Attention is focused on the determinants of the various operations and strategic behavior encountered within them. The course covers price discrimination, product differentiation, adverse selection, moral hazard, market structure determinants, and research and development. Various case studies are reviewed.

4.7.3 BA 303: Corporate Finance

Credit Units: 4

Contact Hours: 60

Course description

This course is intended for third-year undergraduates and will be a broad-based follow-up to FM212 Principles of Finance. The goal is to broaden, and selectively deepen, students' understanding of finance, building on their existing knowledge of financial economics. The course will cover a broad range of topics, with both a theoretical and an empirical emphasis. These include topics in corporate finance, investments and performance evaluation and international finance

4.7.4 EC 208: Economic Policy Analysis

Credit Units: 3

Contact Hours: 45

Course Description

This course explores the role of economic analysis in the design and evaluation and implementation of public policy. It uses analytical methods to evaluate the long term and short term effects of policy decisions on the economic parameters of a country.

4.7.5 EC 210: Public Sector Economics

Credit Units: 3

Contact Hours: 45

Course Description:

Public sector economics is the study of government policy from the points of view of economic efficiency and equity. The course deals with the nature of government intervention and its implications for allocation, distribution and stabilization. Inherently, this study involves a formal analysis of government taxation and expenditures. The subject encompasses a host of topics including public goods, market failures and externalities.

4.7.6 EC 308: Environmental Economics

Credit Units: 3

Contact Hours: 45

Course description:

This course focuses on economic causes of environmental problems. In particular, economic principles are applied to environmental questions and their management through various economic institutions, economic incentives and other instruments and policies. Economic implications of environmental policy are also addressed as well as evaluation of environmental quality, quantification of environmental damages, tools for evaluation of environmental projects

such as cost-benefit analysis and environmental impact assessments. Selected topics on international environmental problems will also be discussed.

4.8 Year three semester two

4.8.1 TM 301: Project

Credit Units: 4
Contact Hours: 60

Course Description

This is a cross-cutting course in which students are challenged to formulate and implement a non-trivial project that integrates the knowledge and theory acquired over the previous five semesters with a practical, real-life problem. Emphasis will be put on the systematic formulation of a problem, development of a suitable methodology, the documentation of the solution to the problem, and how well the solution addresses the problem.

4.8.2 BA 200: Project Planning & Management

Credit Units: 3
Contact Hours: 45

Course Description:

This course provides the student with a comprehensive, integrative understanding of program/project planning and management process. It covers the fundamentals of project management and helps participants to understand how a project is conceptualized and initiated in support of the strategy and plans of the organization. The course focuses on the design, development, and implementation of programs and projects.

4.8.3 BA 204: Financial Management

Credit Units: 4
Contact Hours: 60

Course Description

This introduces students to appreciate the theory on management of funds in both public and private sector. Financial management deals with acquisition and use of funds. It looks at methods of investment appraisal, working capital management, financing and dividend decisions.

4.8.4 EC 202: International Economics

Credit Units: 3
Contact Hours: 45

Course Description:

This course develops a systematic exposition of models that try to explain the composition, direction, and consequences of international trade, and the determinants and effects of trade policy. It then builds on the models of open economy macroeconomics, focusing on national policies as well as international monetary systems. It concludes with an analytical account of the causes and consequences of the rapid expansion of international financial flows in recent years. Although the course is based on abstract theoretical models, students will also be exposed to real-world examples and case studies.

4.8.5 EC 310: The Uganda Economy

Credit Units: 3
Contact Hours: 45

Course Description:

This is an applied course in economics to fully utilize the economic theory to explain the Ugandan context.

4.8.6 EC 313: Managerial Economics

Credit Units: 3
Contact Hours: 45

Course description:

Managerial Economics is the application of economic theory and methodology to managerial decision making problems within various organizational settings such as a firm or a government agency. The emphasis in this course will be on demand analysis and estimation, production and cost analysis under different market conditions, forecasting and decision making under uncertainty. Students taking this course are expected to have had some exposure to economics and be comfortable with basic algebra. Some knowledge of calculus would also be helpful although not necessary.

4.9 Year three recess term

4.9.1 TM 300: Community Engagement III

Credit Units: 5
Contact Hours: 225

Course Description

This course seeks to orient students into a workplace so that they can, in a holistic way, learn how to fit into an organization and contribute to the global organizational goals. Students are placed in the organization and are required to participate in the day today work under the organizational and university supervisor. Emphasis is put on the ability to fit in the organizational set up, ability to contribute to the organizational goals and flexibility to adopt to new environment. At this level, the student is expected to be deployed at a relatively complex level of the organization.

3.4 Bachelor of Arts in Economics (BA Econ)

The Bachelor of Arts in Economics is a three year full-time degree programme. The Bachelor of Arts in Economics is developed to train highly skilled human resource in the general area of economics. Specifically, it is intended to produce graduates with knowledge and problem solving skills to study and develop solutions to local and regional economic problems. It offers a unique approach to the study of economics that creates a blend of economics and human behavioral approaches. As such, graduates are expected to exhibit strong analytical and social engineering skills, and have capacity to solve complex economic problems. This programme also provides an avenue to those already engaged in Economics related jobs without formal degree qualifications in Economics to join the BA Econ Degree Programme through either direct, diploma or mature age entry schemes.

3.4.1 Target group

The programme targets three categories of people namely: A' level certificate holders, Diploma holders in relevant programmes and mature age students.

3.4.3 Duration

The program lasts three academic years. Each academic year consists of two semesters and one Community engagement. A semester lasts 15 weeks while a recess term lasts 4weeks.

3.4.4 Objectives

The objectives of the BA in Economics degree program is to produce a breed of economists that are problem solvers for Uganda and the region as a whole. Students graduating with a BA in Economics will be able to use economic theory and methods to explain social phenomenon, analyze social problems as well as develop and evaluate small scale public policy solutions.

Students graduating with a BA in Economics will:

- Demonstrate a basic understanding of microeconomic and macroeconomic theory and econometrics.
- be able to apply economic theory and methods at a general level to specific economic topics (e.g. labor markets, money and banking, public sector, international trade or finance).
- Demonstrate the ability to present orally a coherent, logical economic argument grounded in economic theory.
- Demonstrate the ability to present in writing a coherent, logical economic argument grounded in economic theory and methods

3.4.5 Admission Requirements

To be admitted for a course leading to the award of Bachelor of Arts in Economics Degree, a candidate must satisfy the general minimum entry requirements of UTAMU. In addition, the following regulations shall hold: -

a) Direct Entry Scheme

Candidates seeking admission through direct entry shall require the following:

- At least two principal passes at the same sitting in Uganda Advanced Certificate of Education (UACE) of which one must be in Economics.

b) Diploma Holders Scheme

- Applicants should possess at least a lower division in Science, Business Administration, IT, Statistics, Economics, Library Studies, or related field from a recognized institution.
- At least a principal pass in economics and two subsidiary passes at the same sitting in UACE.

d) Mature Age Scheme

For admission under mature age, a candidate must have passed the university mature age entry examinations as per the NCHE guidelines. To sit for university mature age, the candidate must have be at least 25 years and must have completed UCE at least 3 years earlier.

3.4.6 International students' admission requirements

- i. Uganda Technology and Management University welcomes international candidates who satisfy the minimum entry requirements. Candidates **MUST** have at least two principal passes at the same sitting in Uganda Advanced Certificate of Education (UACE) or its equivalent of which one must be in Economics
- ii. Candidates from countries where the language of instruction is not English are required to provide evidence of proficiency in English. Foreign applicants currently residing in Uganda may however sit an English proficiency test conducted by Uganda Technology & Management University.

In addition to the above, candidates should posses the following:

- At least an Ordinary level certificate or an equivalent qualification (secured at the same sitting)
- Applicants should know that to be eligible for admission, the last examination must have been sat during the year in which admission is being sought or not more than two years previously.

4.1 Year One Semester One

4.1.1 EC 100: Microeconomics I

Credit Units: 3

Contact Hours: 45

Course Description:

This course is designed to first expose first-year students to the basic principles of microeconomic theory. The emphasis will be on thinking like an economist and the course will illustrate how microeconomic concepts can be applied to analyze real-life situations. After the brief introduction, it will go deeper into microeconomics to cover the following topics: Understanding intermediate microeconomics; Theory of consumer behavior; Market demand; Theory of market demand in the present context; Theory of production behavior; Theory of costs; Market structures.

4.1.2 EC 101: Principles of Development Economics

Credit Units: 3

Contact Hours: 45

Course Description:

The course will cover: introduction to development economics, economic growth and economic development, theories of development, challenges of economic development and education and development. Others will include health and development, foreign aid and foreign capital as well as country experience in economic development.

4.1.3 CS 101: Computer Applications & Systems

Credit Units: 3

Contact Hours: 45

Course Description:

This course introduces the students to the general principles of computers, the common language and terminologies used in the ICT world, the role of computers in organizations and society as well as using common microcomputer applications. The course creates a solid basis on which further advanced courses in ICT are to be built.

4.1.4 BA 104: Business Communication

Credit Units: 3

Contact Hours: 45

Course Description:

The course provides understanding of communication, its scope and importance in business, and the role of communication in establishing a favorable outside the firm environment, as well as an effective internal communications program. The various types of business communication media are covered. The course will assist students with the language and communications skills necessary to ensure that they not only relay messages and ideas effectively but that it carries the impact of to promote business organization success.

4.1.6 MT 103: Statistical Methods in Economics

Credit Units: 3

Contact Hours: 45

Course Description:

This course begins with some basic concepts and terminology that are fundamental to statistical analysis and inference. It then develops the notion of probability, followed by probability distributions of discrete and continuous random variables. The semester concludes with a discussion of joint distributions.

4.2.2 EC 200: History of Economic Thought

Credit Units: 3

Contact Hours: 45

Course Description:

The main parts of the course are 3 namely;

- Economic thought before the science of economics
- The evolution of economics as a science
- General account of recent leading schools

4.2.3 EC 201: Rural Economics

Credit Units: 3

Contact Hours: 45

Course Description:

Lecture topics will cover the economic problem, market supply and demand, the theory of consumer behavior, the theory of the firm, production efficiency and technical change, monopoly and an introduction to welfare economics including Pareto optimality and alternative views of equity. Tutorial topics may include the role of the market and the state, partial equilibrium analysis of the effects of sales tax, Theodore Schultz's "poor but efficient" hypothesis, peasant farm household models, sharecropping and interlocking markets. Uganda's rural economics, structures, organizations, institutions, and policy will also be discussed.

4.2.4 BA 208: Money & Banking

Credit Units: 3

Contact Hours: 45

Course Description:

This course is designed to cover issues of risk and uncertainty, asset pricing, corporate decision making under uncertainty, financial intermediation, role of banks and credit. It provides an introduction to financial asset valuation and its application to corporate decision making, current research on the evolving nature of financial intermediation, and issues in the design of financial regulation..

4.2.5 BA 307: Organisational Behaviour

Credit Units: 4

Contact Hours: 60

Course Description:

This course is designed to familiarize students with the orientation and nature of human behavior within the context of the individual, group and organizational systems. Major topics include

personality, learning, perception and attribution, socialization, motivation, leadership, power and influence, communication, organizational culture and structure, and change.

4.2.6 BA 310: Ethics & Corporate Governance

Credit Units: 3

Contact Hours: 45

Course Description:

Corporate governance is a central and dynamic aspect of business. The importance of corporate governance for corporate success cannot be overstated. Examples of massive corporate failures and collapses resulting from weak systems of corporate governance have highlighted the need to improve and reform corporate governance systems internationally.

4.3 Year One recess term

4.3.1 TM 100: Community Engagement I

Credit Units: 5

Contact Hours: 225

Course Description

This course seeks to orient students into a workplace so that they can, in a holistic way, learn how to fit into an organization and contribute to the global organizational goals. Students are placed in the organization and are required to participate in the day today work under the organizational and university supervisor. Emphasis is put on the ability to fit in the organizational set up, ability to contribute to the organizational goals and flexibility to adopt to new environment. At this level, the student is expected to be deployed at the lowest operational level of the organization.

4.4 Year two semester one

4.4.1 EC 300: Microeconomics II

Credit Units: 3

Contact Hours: 45

Course Description:

This is an extension of the previous microeconomics course taken i.e. Microeconomic I. It is divided into the following topics:-Theory of consumer behavior; Theory of producer behavior; Taxes and economic decision making; Antitrust and regulation; General equilibrium; Welfare economics

4.4.2 EC 301: Macroeconomics II

Credit Units: 3

Contact Hours: 45

Course Description:

This course is designed to give students a consistent way of approaching the full range of contemporary Macroeconomic issues. At this stage, the student needs a lot of guidance in internalizing how formal models can be used to explain the real world economy. Thus the course is dedicated to showing the application of the theory to real events and issues and in helping the student learn how to: think like an “economist”. The numerous “Applications” are designed to show how theory can be used to understand an important episode or issue such as the impact of tax reform, the causes and effects of the LDC debt crisis, the long run viability of manufacturing in the face of foreign competition, etc.

4.4.3 EC 302: Econometrics

Credit Units: 4

Contact Hours: 60

Course Description:

This course is meant to introduce to students what econometrics is all about. Econometrics is a set of research tools employed in the business disciplines of accounting, finance, marketing, and management. It is also used by social scientists, specifically researchers in history, political science, and sociology, and it even plays an important role in such diverse fields as forestry and agricultural economics. Studying econometrics will help students transition from being a student of economics to a practicing economist. By taking this course, they will gain an overview of what econometrics is about and develop some “intuition” about how things work. This course will facilitate students with communication between econometricians and users of their work plus helping individuals develop the ability to have perspective on econometric work and to make a critical evaluation of it. Experience with the practice of econometrics and a knowledge of the potential problems that can arise are essential for developing instincts for judging how much one can rely on the findings of a particular study.

4.4.4 EC 303: Quantitative Methods for Economic Analysis

Credit Units: 3

Contact Hours: 45

Course Description:

This Course introduces some of the quantitative methods, which are commonly used by financial analysts, firms’ managers and individual investors. It gives a formal introduction to probability and random variables. In the first half we introduce methods for dealing with continuous random variables. We shall use many examples from a variety of statistical applications to illustrate the theoretical ideas. The second half aims to extend knowledge of probability and distribution theory so that the student can manipulate functions of one or more random variables develop probability models for more realistic problems, and discover how distributions that are important in statistical inference are interlinked.

4.4.5 EC 304: Monetary Economics

Credit Units: 3

Contact Hours: 45

Course Description:

This course introduces students to an understanding of the basic concepts of monetary economics in the context of developing countries. Students will be able to apply the skills in developing monetary policies

4.4.6 BA 108: Entrepreneurship Theory & principles

Credit Units: 3

Contact Hours: 45

Course Description:

The course introduces the students to the basic concepts in entrepreneurship, identification of opportunities, business evaluation and analysis. It provides students with the skills needed to effectively organize, create, develop, and manage own business. The course gives students an opportunity to make creative business decisions to meet current needs of business venture.

4.5 Year two semester two

4.5.1 EC 202: International Economics

Credit Units: 3

Contact Hours: 45

Course Description:

This course develops a systematic exposition of models that try to explain the composition, direction, and consequences of international trade, and the determinants and effects of trade policy. It then builds on the models of open economy macroeconomics, focusing on national policies as well as international monetary systems. It concludes with an analytical account of the causes and consequences of the rapid expansion of international financial flows in recent years. Although the course is based on abstract theoretical models, students will also be exposed to real-world examples and case studies.

4.5.2 EC 203: Transport Economics

Credit Units: 3

Contact Hours: 45

Course Description:

The course examines the economic problems of transport operations and planning at firm, local and national government levels. Precisely it looks at transport providers, demand and supply transport, transport policies, intervention and regulation as well as transport planning models.

4.5.3 EC 204: Natural Resource Economics

Credit Units: 3

Contact Hours: 45

Course Description:

The economic system of producers, consumers and markets functions within the environmental system. The environment provides the economy with a number of vital services: natural resources, amenities, life-support systems and the opportunity to dump waste. Economic agents tend to disregard the interactions between economy and environment, because they are not confronted with the full cost of their actions. Economists call this a negative externality.

4.5.4 EC 305: Public Finance & Fiscal Policy

Credit Units: 3

Contact Hours: 45

Course Description:

This course introduces students to an understanding of concepts related to taxation and public expenditure in developing countries and applies the issues learnt into the practical experience of developing economies

4.5.5 EC 306: Economic Planning & Policy

Credit Units: 3

Contact Hours: 45

Course Description:

This course is designed to equip students with the analytical tools to examine the planning techniques and how they influence policies. The focus of the course is on planning theories, models and illustrative examples of planning techniques are reviewed. Upon completion, students will have an insight on how policies and planning techniques can promote economic stability and sustainability especially in the developing countries.

4.5.6 TM 201: Research Methods

Credit Units: 3

Contact Hours: 45

Course Description:

This course exposes the student to the theoretical and practical concepts of research. It provides the skills, methods and competences that are necessary to collect, analyse, summarise and present quantitative and qualitative data.

4.6 Year two recess term

4.6.1 TM 200: Community Engagement II

Credit Units: 5

Contact Hours: 225

Course Description

This course seeks to orient students into a workplace so that they can, in a holistic way, learn how to fit into an organization and contribute to the global organizational goals. Students are placed in the organization and are required to participate in the day today work under the organizational and university supervisor. Emphasis is put on the ability to fit in the organizational set up, ability to contribute to the organizational goals and flexibility to adopt to new environment. At this level, the student is expected to be deployed at the intermediate operational level of the organization.

4.7 Year three semester one

4.7.1 EC 210: Public Sector Economics

Credit Units: 3

Contact Hours: 45

Course Description:

Public sector economics is the study of government policy from the points of view of economic efficiency and equity. The course deals with the nature of government intervention and its implications for allocation, distribution and stabilization. Inherently, this study involves a formal analysis of government taxation and expenditures. The subject encompasses a host of topics including public goods, market failures and externalities.

4.7.2 BA 211: Managing Non-Profit Organizations

Credit Units: 4

Contact Hours: 60

Course Description:

The purpose of this course is to familiarize students with the basic business workings of non-profit organizations—the economic, social and political environment in which they operate, strengths, opportunities, and challenges within the nonprofit sector, and major functional areas, jobs, and volunteer opportunities in nonprofit organizations. This course introduces students to the major functional areas of non-profit organizations and emerging issues about strategies and practices of high-performing non-profit organizations.

4.7.3 BA 200: Project Planning & Management

Credit Units: 3

Contact Hours: 45

Course Description:

This course provides the student with a comprehensive, integrative understanding of program/project planning and management process. It covers the fundamentals of project management and helps participants to understand how a project is conceptualized and initiated in support of the strategy and plans of the organization. The course focuses on the design, development, and implementation of programs and projects.

4.7.4 EC 307: Agricultural Economics

Credit Units: 3

Contact Hours: 45

Course Description:

The main purpose of this course is to use the tools of the economics discipline in order to understand the agricultural sector. This course will be focused in the use of microeconomic tools. The main topics that will be covered are: theory of consumer behavior, consumer equilibrium and market demand, measurement and interpretation of elasticities, introduction to production and market equilibrium, economics of input and product substitution, market equilibrium and product price: perfect competition and imperfect competition, natural resources, the environment and agriculture, government intervention in agriculture, impacts of macroeconomic policy actions on agriculture, why nations trade, agricultural trade policy and preferential trading arrangements.

4.7.5 EC 308: Environmental Economics

Credit Units: 3

Contact Hours: 45

Course Description:

This course focuses on economic causes of environmental problems. In particular, economic principles are applied to environmental questions and their management through various economic institutions, economic incentives and other instruments and policies. Economic implications of environmental policy are also addressed as well as evaluation of environmental quality, quantification of environmental damages, tools for evaluation of environmental projects such as cost-benefit analysis and environmental impact assessments. Selected topics on international environmental problems will also be discussed.

4.8 Year three semester two

4.8.1 EC 310: The Uganda Economy

Credit Units: 3

Contact Hours: 45

Course Description:

This is an applied course in economics to fully utilize the economic theory to explain the Ugandan context.

4.8.2 IS 201: Management Information Systems

Credit Units: 3

Contact Hours: 45

Course Description:

This course is to give students an in-depth understanding of Information Systems and how they shape the world of business. Students will be introduced on what constitutes information systems as well as how they are used to improve productivity and efficiency in organisations. Several case studies will be discussed and evaluated.

4.8.3 TM 301: Project

Credit Units: 4

Contact Hours: 60

Course Description

This is a cross-cutting course in which students are challenged to formulate and implement a non-trivial project that integrates the knowledge and theory acquired over the previous five semesters with a practical, real-life problem. Emphasis will be put on the systematic formulation of a problem, development of a suitable methodology, the documentation of the solution to the problem, and how well the solution addresses the problem.

(b)

4.8.4 EC 311: Money & Financial Markets

Credit Units: 3

Contact Hours: 45

Course Description:

This course will introduce students to a good understanding of: theory and functioning of the monetary and financial sectors of the economy; the organization, structure and role of financial markets and institutions, interest rates, monetary management and instruments of monetary control, Financial and banking sector reforms and monetary policy with special reference to Uganda.

4.8.5 EC 312: Business Conditions Analysis

Credit Units: 3

Contact Hours: 45

Course Description:

Decision-making in businesses and corporations does not take place in a vacuum. The conditions prevailing in the national and international economies crucially affect business activities like production, consumption, investment, and personnel decisions. As a result, the understanding of the economy-wide (macroeconomic) environment surrounding business is a valuable asset to decision-makers. This course intends to help students understand the workings of the macro economy. This will be achieved by discussing the main concepts and tools of macroeconomic theory, and applying them to the interpretation of economic data and media articles and reports.

4.8.6 EC 313: Managerial Economics

Credit Units: 3

Contact Hours: 45

Course Description:

Managerial Economics is the application of economic theory and methodology to managerial decision making problems within various organizational settings such as a firm or a government

agency. The emphasis in this course will be on demand analysis and estimation, production and cost analysis under different market conditions, forecasting and decision making under uncertainty. Students taking this course are expected to have had some exposure to economics and be comfortable with basic algebra. Some knowledge of calculus would also be helpful although not necessary.

4.8.7 BA 321: Investment & Portfolio Management

Credit Units: 3

Contact Hours: 45

Course Description:

This course addresses investment analysis and portfolio management issues, risk and return, capital and money markets, and the theory of efficient markets i.e. efficient market hypothesis.

4.9 Year three recess term

4.9.1 TM 300: Community Engagement III

Credit Units: 5

Contact Hours: 225

Course Description

This course seeks to orient students into a workplace so that they can, in a holistic way, learn how to fit into an organization and contribute to the global organizational goals. Students are placed in the organization and are required to participate in the day today work under the organizational and university supervisor. Emphasis is put on the ability to fit in the organizational set up, ability to contribute to the organizational goals and flexibility to adopt to new environment. At this level, the student is expected to be deployed at a relatively complex level of the organization.

3.5 Bachelor of Business Administration (BBA)

Admission Requirements

Students will be admitted to the Bachelor of Business Administration programme through three avenues: *Direct Entry scheme, Mature Entry scheme and Diploma Entry scheme.*

a) Direct/ A level Entry Scheme

For admission under the Direct Entry Scheme, a candidate must have at least two principal passes at the same seating in the Uganda Advanced Certificate of Education (UACE) or its equivalent.

b) Diploma Holders

One must have at least a 2nd class lower division in Business Administration, Management, IT, Statistics, Development Economics, Library Studies or a related field from a recognized institution.

d) Mature Age Entry

For admission under mature age, a candidate must have passed the university mature age entry examinations as per the NCHE guidelines. To sit for university mature age, the candidate must be at least 25 years and must have completed UCE at least 3 years earlier.

3.4.6 International students' admission requirements

- iii. Uganda Technology and Management University welcomes international candidates who satisfy the minimum entry requirements. Candidates **MUST** have at least two principal passes at the same sitting in Uganda Advanced Certificate of Education (UACE) or its equivalent
- iv. Candidates from countries where the language of instruction is not English are required to provide evidence of proficiency in English. Foreign applicants currently residing in Uganda may however sit an English proficiency test conducted by Uganda Technology & Management University.

In addition to the above, candidates should possess the following:

- At least an Ordinary level certificate or an equivalent qualification (secured at the same sitting)
- Applicants should know that to be eligible for admission, the last examination must have been sat during the year in which admission is being sought or not more than two years previously.

4.0 Transfer of Credit Units to Uganda Technology and Management University

4.1 Introduction

UTAMU accepts credits earned at higher institutions of learning fully accredited by the Uganda National Council for Higher Education or a body/ministry responsible for Higher Education for all foreign institutions, provided such credits are earned through higher institutions-level courses suitable to the student's degree program.

4.2 Requirements

The following is required:

- A student must satisfy the admission requirement for the academic program(s) applied for.
- The Higher Institution of Learning from which credits are being transferred must be fully accredited by the National Council for Higher Education (NCHE) for Universities in Uganda or recognized by body/Ministry responsible for Higher Education for all foreign institutions.
- UTAMU will allow course credit transfer for only students whose Cumulative Grade Point Average (CGPA) is 3.0 and above for Ugandan Higher Educational Institutions or equivalent for foreign higher education institutions.
- Each course is considered for transfer of credits individually. UTAMU will consider only courses that have a minimum grade of "C" or 60%. No block transfer of credit based upon grade averages will be accepted.
- The maximum of credits should not exceed 60% of the minimum graduation load of the academic programme applied for.
- Applicants holding Higher National Diplomas from recognized institutions can be admitted to second year with a provision to take some courses from the first year that the School Academic Board will have identified and deemed mandatory.

4.3 Procedure

- Interested Students are supposed to complete and submit a Request to Transfer Credit Evaluation form.
- Students will need to attach their partial transcript from the institution attended to the request form to support their application. The partial transcript must indicate the academic status, the courses offered/taken, the credit units completed and the grades obtained in each course.
- Students requesting for credit transfer will also need to attach the curriculum for the program from which credits they wish to transfer were earned.
- Once the form is received by the UTAMU admission office, the evaluation for credit transfer will start and the student will be contacted if any additional information is required.
- During the transfer of credit evaluation process, applicants will be invited for a pre-entry exam covering the major knowledge areas of the programme and level applied for. To qualify for admission, the student must score 60% and above.
- The transfer of credit evaluation process will take approximately 4 weeks from the time the request is submitted at UTAMU. Therefore students who aim to join a particular intake should take into consideration this duration so that it does not impact on their anticipated enrollment.
- Once the evaluation process is complete, students will be notified in person about the results through the contacts provided.
- UTAMU reserves the right to accept, reject or make any recommendation about the credit transfer request.

4.4 Cost

An administrative fee shall be charged from the student who has requested for the credit transfer evaluation process. The fee will vary depending on the number of courses to be evaluated and this fee will change from time to time depending on the circumstances.

Note:

Further details are found in the Policy on Transfer of Credit Units at Uganda Technology and Management University at: <http://www.utamu.ac.ug>

5.0 GENERAL INFORMATION FOR STUDENTS

5.1 Fees and other Requirements

Before applying, applicants are advised to make sure that they have adequate financial support to cover fees and other requirements. Fees do not cover research and accommodation expenses. A guarantee of financial support throughout the proposed course is necessary.

5.1.1 Mode of payment

- i. Application fees are paid at the time of collection of application forms.
- ii. University fees **MUST** be paid to the University before registration.
- iii. Payment of fees may be made in lump sum on arrival or in installments (per Semester) by using the student registration numbers to pay in the Bank.
- iv. University fees **MUST** be paid to any recommended Bank Branch using pay-in/Deposit slips. Pay-in/Deposit slips are obtainable from the University Bursar or Academic Registrar's Office. Students' registration numbers must be used in all payments of the University fees. Payments can also be made by Bank drafts.
- v. Students are required to present copies of the pay-in slips to the Bursar's Office to get their receipts/financial statements.
- vi. Uganda Technology and Management University operates fees collection accounts in DFCU Bank. Students are advised to pay their fees from any branch in and around Kampala.

5.1.2 Payment of fees

- a. Payment of fees is due on the first day of the academic year. In case, a student is not able to pay all the fees by the first day of the academic year, he/she must ensure that the fees for a particular semester are paid by the sixth week of that semester in order for him/her to be registered, issued with the identity and to gain access to University Services and Facilities.
- b. Any student who is not able to raise the full semester fees may choose courses within the first six weeks and pay for the semester course load that he/she can afford in order to be registered, issued with the identity and gain access to University Services and Facilities.
- c. No student will be permitted to pay any fees and register after the sixth week of a semester.
- d. A student who fails to pay the registration fee at the end of the sixth week of the beginning of an academic year shall forfeit his/her place in the University in case the student is in the first year or be deregistered in the case of continuing students.
- e. A student who shall not have completed paying fees by the end of the sixth week will not be allowed to sit for University examinations.

Other requirements like books, stationery, accommodation, food, research expenses, etc should be paid directly to the student by the sponsor.

5.1.3 Fees structure and break down for the undergraduate courses offered by UTAMU

	Item	Annual Tuition Fees (UGX)	Annual Functional Fees (UGX)	Total Annual Fees (UGX)
1	B.Sc. Computer Science	2,400,000	500,000	2,900,000
2	Bachelor of Information Systems and Technology	2,400,000	500,000	2,900,000
3	Bachelor of Business Administration	2,200,000	500,000	2,700,000
4	BA Economics	2,200,000	500,000	2,700,000
5	B.Sc. Economics	2,300,000	500,000	2,800,000

Notes: Students are allowed to pay per semester.

5.1.4 Refund of Tuition fees when a student has withdrawn from studies

A registered student who has been permitted to withdraw from studies shall be refunded the Tuition fees for the semester paid according to the following schedules:

Time of withdrawal percentage of paid Tuition to be refunded

- a. By the end of the first week of a semester 100%
- b. By the end of the second week of the semester 80%
- c. By the end of the third week of a semester 60%
- d. By the end of the fourth week of a semester 40%
- e. By the end of the fifth week of a semester 20%
- f. By the end of the sixth week of a semester 0%

Note: Application and functional fees are not refunded since services will have been rendered.

5.1.5 UTAMU Finance Department-Fees Section

This Section is part of the Finance Department in the Uganda Technology and Management University and the services offered to the students are: Answering all Students' queries concerning fees payments; guiding Students on payment procedures and terms; assisting Students in getting their certificates through issuance of clearance forms; in case a Student gets a retake, the fees section helps Students in computing the required fees to be paid; advising Students to meet fees payment deadlines; financial information dissemination from the University Bursar's office to Students and overall matters concerning Students fees. For more information write to fees@utam.ac.ug.

5.2 Application procedures

Application forms and other relevant information may be obtained from the Director Academic Affairs/Academic Registrar's Office. **An application fee of 50,000/= (Ugandan Applicant) and a bankcharge of 2500 or US \$ 50 (International Applicant)** should be paid in any DFCU Bank branch using Uganda Technology and Management University pay-in slip. Applicants fill in four copies of pay-in slips and after paying they are expected to present a copy when they are submitting the completed application forms to the admission office, Uganda Technology and Management University. All applications for diplomas have to satisfy the requirements of the relevant courses and the University regulations. Application forms can be found at (<http://www.utamu.ac.ug>)

5.3 When to apply

a. Direct Entry/ Diploma Holders/ Mature Age Entry Scheme

Unless otherwise stated, all applications are made in May of each academic year. The closing date for receiving applications is normally late the same month of the year in which the admission is sought. All completed application forms must be accompanied by relevant copies of certificates.

b. Application forms from International students are received from 1st April to 30th April of each year.

5.4 Registration - START

For a candidate to be a full student of the University he/she must be registered. Registration is a mandatory function of the School as well as the University which must be done within six weeks from the beginning of the semester by every student. Registration is under the supervision of the Academic Registrar who produces and displays detailed registration programmes. Students are advised to use names that appear on their admission letters, and these should be the names that appear on O' Level and A' Level results slips, Diploma Transcripts, etc during registration. To sit for examinations, all students must be registered with the Academic Registrar for their programmes and respective courses during which they are availed with Examination permits.

a. Withdraw of registration

Any first year student who will not have registered within the first six (6) weeks of the beginning of the academic year shall be deemed to have declined the offer of a place at the University. Therefore his/her place shall accordingly be offered to another student through the change of programme/subject exercise. The students in the first year of studies, who for some reasons are unable to register by the end of the registration period, are advised to re-apply afresh for the admission for the following academic year by following the same application procedure. The student will have to compete afresh with the applicants for that academic year.

If a candidate finds that he/she cannot continue with his/her studies due to financial/social hardships but expects to complete studies at a later date, it is her/his duty to request for withdrawal and inform the University through the School board when he/she would resume studies. The withdrawal letter should be addressed to the Dean of the respective School and sent to the Academic Registrar.

b. Registration on more than one programme

Students should note that the University regulation does not allow one student to register in more than one programme at the same time.

5.5 Other students Regulations

5.5.1 Change of Programme/School/Subject(s)

a. Change of Programme

Since the selection of candidates for specific programmes is done according to the candidate's performance and order of programme choices, taking into account the available subject combinations and time table limitations, where applicable, there is normally little need to change the programme or subjects. However, some places become vacant when some of the students admitted do not take up the offers. Such places are filled through the change of programme/faculties/ under that arrangement. Such students must all the same first register according to the registration timetable for the programme and subjects (where applicable) for which they have been admitted. Students who may wish to change their programmes/faculties are required to pay an application fee of 20,000/= to the University and obtain a receipt. The forms will be issued and received back within a week at the beginning of the Academic Year.

Note: It is advisable that only those students who meet the cut-off points of the desired programmes may apply.

A student permitted to change his/her programme or subject(s) is issued with a letter stating so, and on receipt of such a letter that student should complete the acceptance part and return a copy, to each of the following; Admissions office, current School as well as former school.

5.5.2 Repeating of A' level Examinations

A candidate, who accepts a place at the University and registers for a programme of study, will not be eligible for admission to any programme at the University on the basis of results obtained after re-sitting A' level examinations. Therefore, the use of results obtained from re-sitting A' level examinations while already registered on a university programme will result in automatic cancellation of admission.

Cases of impersonation, falsification of documents or giving false/incomplete information whenever discovered either at registration or afterwards, will lead to automatic cancellation of admission, revocation of awards where applicable and prosecution in the courts of law.

5.5.3 Identity Cards

All registered students will be issued with official University identity cards on payment of fees.

4.5.5 Academic Integrity

It is the aim of the University to foster a spirit of complete honesty and a high standard of integrity. An attempt to present as their own any work, which they have not honestly produced is regarded by Uganda Technology and Management University and the administration as the most serious offence and renders the offenders liable to serious consequences including possible suspension. Students are supposed to make the most of the educational opportunities available by attending classes and laboratory sessions. Class attendance is compulsory for all students unless excused from classes by the School board for the following reasons.

- Participation in the recognized University activities
- Personal illness properly certified or
- Emergencies caused by circumstances over which the student has no immediate control.

5.5.4 Semester Duration

All degree programmes at UTAMU are run on semester system. The courses are conducted on credit unit basis, a credit unit being equivalent to one contact hour per week per semester. One contact hour is equivalent to one hour of lecture or 2 hours of tutorials or practicals. Each academic year is divided into two semesters each of which lasts 17 weeks. At least fifteen (15) weeks are for teaching and two (2) weeks are for examinations. At the end of each 2nd Semester, there is a recess semester of 10 weeks.

5.5.5 Examinations Regulations

a. Sitting semester examination

Only registered students are permitted to sit University examinations. A student who does not pay all the required University fees will not be permitted to sit the University examinations.

The examination results of any student who has sat the examinations without being registered shall be nullified.

b. Missed Examinations

If a candidate misses examination(s) due to financial/social hardships but he/she wants to sit for them at a later date, it is her/his duty to request the University through the School board when he/she would sit for this examination. The letter should be addressed to the Dean of his/her respective school and sent to the Academic Registrar. The letter should indicate the missed examination, and when a student would like to sit the missed examination, with a strong reason/evidence as to why he/she missed the examination and evidence of Registration.

Note: First years that are not yet registered with the School/University are not eligible for the above opportunity.

c. Examination Form

Examinations may take the form of online, written paper, or practicals, submission of projects, assessment of work or any combination of these methods. Examinations shall be held during the last two weeks of each semester and each course outlined in the syllabus constitutes a University examination.

d. Assessment of examination

Course assessment: each course should be assessed on the basis of 100 total marks apportioned as follows: -

- a) Examination 60 marks
- b) Continuous assessment 40 marks

An examination shall be given during the last two weeks of each semester where as continuous

assessment shall consist of assignments and tests, and shall be conducted throughout the duration of the course. In addition to the lecture hours (LH), the students is supposed to put in several hours of individual and group study for each course.

e. Course work

Students should note that assignments in some papers might be designated as practical work (or could take the form of the project). It is intended that all the assignments set for the class should be scheduled to allow ample time to students to complete them. Please note that coursework is also a University examination, copying and /handing in coursework similar to another student's work, or hiring another person to do one's coursework is an examination malpractice that will lead to dismissal from the University.

f. Course examinations

All courses shall be examined as soon as possible after the courses are completed. Failure to write an examination without acceptable reasons means failure in that examination. The time allowed for written examination shall normally be three hours.

g. Moderation and external examiner

All question papers shall be moderated internally and where need be externally by the external examiner. In addition, external examiners shall participate in vetting of questions and marking of scripts for all final examinations. They shall participate in over all results and classification of degrees.

5.6 Uganda Technology and Management University - Secular Institution

Students are informed that Uganda Technology and Management University programmes are conducted seven days, (i.e. from Monday to Sunday). The University community has students and members of staff from various religious backgrounds, and hence the University may not re-schedule or cancel lectures and or examinations to meet the interest of a particular religious group. Students are therefore, urged to respond to the academic work in their School/Department even if it takes place on the respective days of worship.

5.7 Grading of Courses/Results

a) Letter grade and a grade point

Each Course will be graded out of a maximum of 100 marks and assigned an appropriate letter grade and a grade point as follows:

Marks	Letter Grade	Grade Point (GP)	Interpretation
90-100	A+	5	Exceptional
80-89	A	5	Excellent
75-79	B+	4.5	Very Good
70-74	B	4	Good
65-69	C+	3.5	Fairly Good
60-64	C	3	Fair
55-59	D+	2.5	Pass

50-54	D	2	Marginal Pass
45-49	E	1.5	Marginal Fail
40-44	E	- 1	Clear Fail
Below 40	F	0	Bad Fail

b) Other letter Initials and their meaning

- W - Withdraw from Course;
- I - Incomplete;
- AU - Audited Course Only;
- P - Pass;
- F - Failure.

C. Minimum Pass Mark

A minimum pass grade for each course shall be 2.0 grade points.

d. Calculation of Cumulative Grade Point Average (CGPA)

The CGPA shall be calculated as follows: -

$$CGPA = \frac{\sum_{i=1}^n (GP_i \times CU_i)}{\sum_{i=1}^n CU_i}$$

Where GP_i is the Grade Point score of a particular course i; CU_i is the number of Credit Units of course i; and n is the number of courses so far done.

e. Progression

Progression through the programme shall be assessed in three ways:

i) Normal Progress

This occurs when a student passes each course taken with a minimum Grade Point of 2.0.

ii) Probationary

This is a warning stage and occurs if either the cumulative grade point average (CGPA) is less than 2.0 and/or the student has failed a core course. Probation is waved when these conditions cease to hold.

iii) Discontinuation

When a student accumulates three consecutive probations based on the CGPA or the same core course(s), he/she shall be discontinued.

iv) Re-taking a Course

A Student may re-take any course when it is offered again in order to pass if the student had failed the course. A Student may take a substitute elective, where the Student does not wish to re-take a failed elective.

5.8 Graduation Requirements (to be changed with actual requirements which are not given in the current versions of curricula)

To qualify for the award of the Bachelor's degree in Computer Science, a candidate is required to obtain a minimum of 120 credit units for all the courses passed; (103 credit units for core courses and 17 credit units for Elective courses).

To qualify for the award of the degree of Bachelor of Information Systems & Technology (BIS&T), a candidate is required to obtain a minimum of (115) credit units for all the courses passed (97 credit units for core courses and 18 credit units for Elective courses).

To qualify for the award of the degree of Bachelor of Arts in Economics (BA ECON), a candidate is required to obtain a minimum of (115) credit units for all the courses passed (97 credit units for core courses and 18 credit units for Elective courses).

To qualify for the award of the degree of Bachelor of Science in Economics (BSc. ECON), a candidate is required to obtain a minimum of (115) credit units for all the courses passed (97 credit units for core courses and 18 credit units for Elective courses).

5.9 Degree Classification

The degrees awarded shall be classified based on CGPA as follows:

Class	CGPA
First Class (with Honours)	4.40-5.00
Second class-Upper Division (with Honours)	3.60-4.39
Second class-Lower Division (with Honours)	2.80-3.59
Pass	2.00-2.79
Fail less than	2.0

5.10 Guidelines

Definition of some key terms

(i) Contact Hour (CH)

A contact hour shall be equivalent to one hour of lecture/tutorial or two hours of practicals.

(ii) Credit unit (CU)

A credit unit is one contact hour per week per semester or a series of 15 contact hours.

(iii) Core course

A core course is a course which is essential to a program. All students who are registered for a particular programme offer it.

(iv) Elective course

An elective is a course offered in order to broaden a programme or allow for specialization. An elective course is elected from the given groups of courses at the convenience of the student.

(v) Audited course

An audited course is the course by the student for which a credit is not awarded.

(vi) Pre-requisite

A pre-requisite is a condition (either course or classification), which must be satisfied prior to enrolling into the course in question).

(vii) Pre-requisite course

This is a course offered in preparation for a higher level course in the same area.

(viii) Programme

It is a set of prescribed courses, which are offered for award of a particular degree/diploma/certificate.

Students registered with the University are governed by the University rules on student conduct which are available from the Office of Students Affairs.

10.1 Year One Semester One

10.1.1 BA 101: Principles of Management

Credit Units: 3

Contact Hours: 45

Course description

This is an introductory management course that focuses on the fundamentals of organizations and management practice. It explores the functions of management (Planning, Organizing, Leading and Controlling) as well as, the aspects of the organizational environment. The principles learned in this course will enable the student to understand and appreciate the role of managers and management in organizations; as well as the foundations of organizational systems, structures and change process.

10.1.2 BA 102: Introduction to Business Administration

Credit Units: 3

Contact Hours: 45

Course Description

The course is designed to introduce elementary concepts of business, practices in business and career paths by surveying functional areas of a business and management activities. The course provides an overview of business functions and the role of business in contemporary society. It also provides an overview and understanding on the current issues and challenges facing today's businesses, both small and large. It emphasises both theoretical and practical problem solving skills.

10.1.3 BA 103: Fundamentals of Business Accounting

Credit Units: 4

Contact Hours: 60

Course description

The course is designed to provide students with the understanding of the nature and purpose of accounting and general accounting cycle. The course will cover accounting concepts, double entry system of recording accounting transactions, journals and ledgers used to record accounting transactions and preparation of financial statements. The course will also cover correction of errors, suspense accounts, and bank reconciliations, control accounts, manufacturing accounts and accounting for sole proprietorships, partnerships and non-profit making organizations.

10.1.4 BA 104: Business Communication

Credit Units: 3

Contact Hours: 45

Course description

The course provides understanding of communication, its scope and importance in business, and the role of communication in establishing a favorable outside the firm environment, as well as an effective internal communications program. The various types of business communication media are covered. The course will assist students with the language and communications skills necessary to ensure that they not only relay messages and ideas effectively but that it carries the impact of to promote business organisation success.

10.1.5 EC 100: Microeconomics I

Credit Units: 3

Contact Hours: 45

Course description

This course introduces students to a wide range of economic concepts on how economic systems operate to allocate resources, distribute income, and organize production through the decisions of individual economic agents (e.g. firms and consumers). The focus is on the operation of a market economy.

10.1.6 CS 101: Computer Applications & Systems

Credit Units: 3

Contact Hours: 45

Course description

This is an introductory course to Computer concepts and ICT, which is designed to provide students with the ability to understand computer systems used in any organisational and business setting. It covers ICT terminologies, of hardware, software and storage system; computer networks, the internet and World Wide Web, and ICT based applications. The course will demonstrate how Information technology impacts on the organisation and society.

10.2 Year One Semester two

10.2.1 BA 105: Principles of Procurement

Credit Units: 3

Contact Hours: 45

Course description

This course is designed to provide students with an introduction to basic concepts and issues in procurement – purchasing and supply chain management as used in organizations. It describes the various procurement techniques useful in an organization.

10.2.2 BA 106: Principles of Human Resources Management

Credit Units: 3

Contact Hours: 45

Course description

People resources are increasingly becoming a critical tool in building the organizations' competitive advantage. This is an introductory course that covers the basic HR concepts, key functions, and strategies. It will look at the HR management functions/activities, emphasizing, **only basic principles**, i.e. **the definition, rationale and challenges of**: HR Planning, Staffing, Performance Management, employee Development, Compensation and Benefits management, and Employee Relations and Discipline.

10.2.3 BA 107: Principles of Marketing

Credit Units: 3

Contact Hours: 45

Course Description

The course provides a general overview of what is involved in the marketing function in business and organisations.

10.2.4 BA 201: Business Quantitative Techniques

Credit Units: 4

Contact Hours: 60

Course Description

The course is designed to provide students with the understanding of the general quantitative skills needed in business decision making process. The course will cover quantitative tools used in decision making such as linear programming, matrices and calculus. The course will also cover set theory and application, linear and non linear functions, application of straight lines to business, matrix algebra and use of exponential and logarithmic functions to make business decisions.

10.2.5 BA 202: Intermediate Business Accounting

Credit Units: 4

Contact Hours: 60

Course Description

This is a follow up from the first introductory course to provide students with more knowledge in Business accounting. The focus is on accounting for specialized business ventures and projects.

Students also start to learn application of some accounting standards in financial reporting of given business entities and projects. The course covers accounting for Partnerships, registered companies, leasing and construction contracts. The focus is also on cash flow analysis and financial reporting through preparation of cash flow statements

10.2.6 EC 102: Macroeconomics I

Credit Units: 3

Contact Hours: 45

Course Description:

This course aims to introduce the first year students to the basic concepts of macroeconomics associated with the determination and measurement of aggregate macroeconomic variables like savings, investment, GDP, money, inflation, and the balance of payments. Thereafter students will be helped to understand Macroeconomic theory in detail and how its parts interact before getting into controversies in advanced macroeconomics. After the basics, the course will focus on the contribution of different models to the persisting macroeconomic problems such as unemployment.

10.3 Year One recess term

10.3.1 TM 100: Community Engagement I

Credit Units: 5

Contact Hours: 225

Course Description

This course seeks to orient students into a workplace so that they can, in a holistic way, learn how to fit into an organization and contribute to the global organizational goals. Students are placed in the organization and are required to participate in the day today work under the organizational and university supervisor. Emphasis is put on the ability to fit in the organizational set up, ability to contribute to the organizational goals and flexibility to adopt to new environment. At this level, the student is expected to be deployed at the lowest operational level of the organization.

10.4 Year two semester one

10.4.1 BA 108: Entrepreneurship Theory & Principles

Credit Units: 3

Contact Hours: 45

Course Description

The course introduces the students to the basic concepts in entrepreneurship, identification of opportunities, business evaluation and analysis. It provides students with the skills needed to effectively organize, create, develop, and manage own business. The course gives students an opportunity to make creative business decisions to meet current needs of business venture.

10.4.2 BA 203: Marketing Management

Credit Units: 3

Contact Hours: 45

Course description

This course is designed to provide an understanding of the application of marketing theories, concepts, and practices as they relate to the management of the marketing function in a complex organization. Emphasis will be on the managerial aspects of marketing plans, including analysis of the external environment. A key element of the course will include the relationship of the "marketing mix" to strategic planning.

10.4.3 BA 204: Financial Management

Credit Units: 3

Contact Hours: 45

Course description

This introduces students to appreciate the theory on management of funds in both public and private sector. Financial management deals with acquisition and use of funds. It looks at methods of investment appraisal, working capital management, financing and dividend decisions.

10.4.4 BA 205: Business Statistics

Credit Units: 3

Contact Hours: 45

Course Description

The course is designed to provide students with the understanding of business statistical techniques for data collection, analysis and presentation. Techniques include measures of central tendencies such as the mean, median and mode; presentation of frequency tables and graphs. The course will also cover dispersion and statistical analytical issues such as standard deviation and

variances, statistical probabilities, time series and index numbers, Hypothesis testing, regressions and correlations.

10.4.5 BA 206: International Business Environment & Trends

Credit Units: 3

Contact Hours: 45

Course Description

This course introduces the student to the dimensions of international business environment, theories and practices. It covers international business environment, international investments theory, and the effects of cultural differences in business and various forms of international business organizations and alliances.

10.4.6 BA 207: Business Law

Credit Units: 4

Contact Hours: 60

Course Description

This is a foundational course on the laws governing business and commercial activities, with particular reference to Uganda and the Commonwealth arrangements. The course introduces basic Business Law concepts and legal principles that guide business transactions such as; sale of goods, hire purchase, bankruptcy among other items.

10.5 Year two semester two

10.5.1 BA 208: Money & Banking

Credit Units: 3

Contact Hours: 45

Course description

This course introduces students to theories, principles, and practices of money and banking. Emphasis is put on linking money and banking practices to successful and competitive business enterprise. The course involves analysis of the impact of Government policy and regulation on the banking sector, financial statements of banks and evaluating performance of banking

institutions. The course also covers bank lending policies and procedures, managing and pricing of deposit services.

10.5.3 BA 210: Company Law

Credit Units: 4

Contact Hours: 60

Course description

This course builds on the earlier foundation course of Business Law to provide to students with the general principles of law as applicable to different business organisations/ institutions. The content is designed to cover the company's Act of Uganda.

10.5.4 BA 300: Taxation & Tax Management

Credit Units: 4

Contact Hours: 60

Course description

This course introduces students to the legal to regulatory framework of taxation and the general operations of governmental revenue generation through taxation. The course shall examine the evolution and principles of taxation and analyse the emerging issues in taxation of incomes in the European Union, East African Community and Uganda. The course shall enable analysis and determination of different incomes chargeable to tax and the tax liability there on, with particular reference to Uganda and the East African Region.

10.5.5 EC 313: Managerial Economics

Credit Units: 3

Contact Hours: 45

Course Description

Managerial Economics uses concepts, models and analytical techniques of economics to study and analyze the operations of businesses and the type of problems managers face. It also provides important conceptual insights for gaining a better understanding of business environment and to make quality business decisions.

10.5.6 TM 201: Research Methods

Credit Units: 3

Contact Hours: 45

Course description

The course is designed to introduce student to various aspects of business research methods and to apply various techniques to the real world of business. The course covers topics such as the role of business research, scientific inquiry, beginning the research process, the hallmarks of scientific investigation, research proposal development, evaluation fundamentals of research design, foundations of measurement, primary data collection, secondary data collection, scaling and instrument design, and sampling design.

10.6 Year two recess term

10.6.1 TM 200: Community Engagement II

Credit Units: 5

Contact Hours: 225

Course Description

This course seeks to orient students into a workplace so that they can, in a holistic way, learn how to fit into an organization and contribute to the global organizational goals. Students are placed in the organization and are required to participate in the day today work under the organizational and university supervisor. Emphasis is put on the ability to fit in the organizational set up, ability to contribute to the organizational goals and flexibility to adopt to new environment. At this level, the student is expected to be deployed at the intermediate operational level of the organization.

10.7 Year three semester one

10.7.1 IS 201: Management Information Systems

Credit Units: 3

Contact Hours: 45

Course description

This course is to give students an in-depth understanding of Information Systems and how they shape the world of business. Students will be introduced on what constitutes information systems as well as how they are used to improve productivity and efficiency in organisations. Several case studies will be discussed and evaluated.

10.7.2 BA 301: Strategic Management

Credit Units: 3

Contact Hours: 45

Course description

Strategic management is about analyzing the environment and challenges in which the business operates, the direction the management intends to head, the long-term initiatives for getting the enterprise moving in the intended direction; and the tasks of implementing the chosen strategy. The course introduces students to the Concept and scope of strategic management; strategic management process, Implementation, evaluation and control business strategies.

10.7.2 BA 301: Strategic Management

Credit Units: 3

Contact Hours: 45

Course description

Strategic management is about analysing the environment and challenges in which the business operates, the direction the management intends to head, the long-term initiatives for getting the enterprise moving in the intended direction; and the tasks of implementing the chosen strategy. The course introduces students to the Concept and scope of strategic management; strategic management process, Implementation, evaluation and control business strategies.

10.7.3 BA 212: Computerized Accounting (Finance & Accounts Option)

Credit Units: 4

Contact Hours: 60

Course description

The course is designed to provide students with the ability to understand the specialized accounting packages and developing a system for a company using specialized accounting packages. These include, Tally, Quick-books, PASTEL, etc.

10.7.4 BA 302: Cost & Management Accounting (Finance & Accounts Option)

Credit Units: 4

Contact Hours: 60

Course Description

Management accounting information system accumulates, classify, summarize and report information that will assist employees in decision making, planning and performance measurement. A cost accounting system is concerned with accumulating costs for inventory valuation to meet external financial accounting and internal profit measurement requirements.

10.7.5 BA 303: Corporate Finance (Finance & Accounts Option)

Credit Units: 4

Contact Hours: 60

Course description

The course will help students gain theoretical and practical knowledge of corporate financial management. Students will learn corporate governance and agency theory issues in corporate finance and also theories used to set up capital structure of a business corporation. Students will also be guided to discuss issues concerning corporation mergers and acquisitions, financial distress, business failure and corporate restructuring and corporate dividend policies.

10.7.6 BA 213: Advertising & Sales Promotion (*Entrepreneurship & Bus Pro*)

Credit Units: 4

Contact Hours: 60

Course description

This course is designed to give students practical skills in developing and managing advertising and sales promotions programs, media planning, and client-agency relations. It is an introductory course dealing with the theory, practice and techniques of advertising. The role of advertising and sales promotion in the economy is considered. The course includes a general survey of the kinds and purposes of the media, the psychological implications of typical appeals, and limited practice in promotional programming. This course provides students with extensive overview of the role of advertising in the “marketing mix.”

10.7.7 BA 214: Social Entrepreneurship (*Entrepreneurship & Bus Pro*)

Credit Units: 4

Contact Hours: 60

Course description

Becoming sustainable or profitable is often the top concern for social entrepreneurs. Social entrepreneurship is a rapidly developing and changing business field in which business and nonprofit leaders design, grow, and lead mission-driven enterprises. The course is structured around three elements that will be interwoven throughout: the field of social entrepreneurship; the players and business structures used by social entrepreneurs; and the mechanics, tensions, and realities of starting and/or managing a social enterprise.

10.7.8 BA 304: Creativity & Innovation (*Entrepreneurship & Bus Pro*)

Credit Units: 4

Contact Hours: 60

Course Description

This course provides a wide range of aspects in creative thinking and tools of innovation in the entrepreneurial process. The course introduces core economic/financial, organizational, technological and knowledge perspectives on innovation and how these factors interplay in dynamic value creation. It analyses the personal, organisational, and environmental facets that support idea generation, exploration and development of entrepreneurial undertaking. The course is intended to invigorate the students mind towards innovation and creativity and translation of such ideas to the utility of in business enterprise.

10.7.9 BA 211: Managing non-profit organizations (Public Soc. Sector mgt)

Credit Units: 4

Contact Hours: 60

Course description

The purpose of this course is to familiarize students with the basic business workings of non-profit organizations—the economic, social and political environment in which they operate, strengths, opportunities, and challenges within the nonprofit sector, and major functional areas, jobs, and volunteer opportunities in nonprofit organizations. This course introduces students to

the major functional areas of non-profit organizations and emerging issues about strategies and practices of high-performing non-profit organizations.

10.7.10 BA 305: Public Administration Theory & Theory (Public Soc. Sector mgt)

Credit Units: 4

Contact Hours: 60

Course description

This course introduces the theory and contemporary issues/ practices in Public Administration and Management – the management of public agencies at the central and local government, corporate, public-private partnerships, and public policy regimes, among others. The course will provide a basic understanding of the principles of the public sector, its traditions, operations, practices and embodied values and trends and develop the skills in comparative analysis of different dimensions of public sector management.

10.7.11 BA 306: Social Service Systems (Public Soc. Sector mgt)

Credit Units: 4

Contact Hours: 60

Course description

This course introduces the theory and practice behind the design, management and delivery of systems of the social services in the contexts of developing management. The purpose will broadly cover the goals of service delivery, which include: poverty alleviation, self sufficiency, support to vulnerable populations, maintenance of public safety, and others.

10.7.12 BA 307: Organizational Behavior (Human Resource & Org Devt)

Credit Units: 4

Contact Hours: 60

Course Description

This course is designed to familiarize students with the orientation and nature of human behavior within the context of the individual, group and organizational systems. Major topics include personality, learning, perception and attribution, socialization, motivation, leadership, power and influence, communication, organizational culture and structure, and change.

10.7.13 BA 308: Human Resource Planning & Development (Human Resource & Org Devt)

Credit Units: 4

Contact Hours: 60

Course description

In this era of competitive and dynamic business environment, spearheaded by changes in technology, client preferences and new methods of work, the chief way to reorient human potential is to plan and make qualitative changes in human capital and its operational environment. Human capital is developed and maximized through Human Resources Planning (HRP) and Human Resource Development (HRD) processes; and these are critical for successful employee resourcing and retention in organisations.

10.7.13 BA 309: Performance and Reward Management (Human Resource & Org Devt)

Credit Units: 4

Contact Hours: 60

Course description

The course introduces students to theoretical and practical perspectives concerning HR performance management and compensation systems; and how these can affect the short-term and long-term goals the overall success of organisations. It provides a definitive overview of the performance and reward process detailing the key role they both play in communicating values, promoting flexibility and maximizing individual contributions to organizational objectives.

10.8 Year three semester two

10.8.1 TM 301: Project

Credit Units: 4

Contact Hours: 60

Course Description

This is a cross-cutting course in which students are challenged to formulate and implement a non-trivial project that integrates the knowledge and theory acquired over the previous five semesters with a practical, real-life problem. Emphasis will be put on the systematic formulation of a problem, development of a suitable methodology, the documentation of the solution to the problem, and how well the solution addresses the problem.

10.8.2 BA 310: Ethics & Corporate Governance

Credit Units: 3

Contact Hours: 45

Course description

Corporate governance is a central and dynamic aspect of business. The importance of corporate governance for corporate success cannot be overstated. Examples of massive corporate failures and collapses resulting from weak systems of corporate governance have highlighted the need to improve and reform corporate governance systems international.

10.8.3 BA 311: Financial Reporting (Finance & Accounts Option)

Credit Units: 4

Contact Hours: 60

Course description

The course will enable students to learn, appreciate and interpret the financial reporting framework and analysis. It will cover setting off accounting standards, financial reporting and measurements of elements of financial statements, preparation of group financial statements, international harmonization of financial reporting standards and financial analysis and interpretation.

10.8.4 BA 312: Auditing and Investigations (Finance & Accounts Option)

Credit Units: 4

Contact Hours: 60

Course Description

This course provides students with the principles and practices of procurement audits and investigations. The course enables students to understand the essential tools needed to perform internal-control related services. Students are able to design or implement programs and controls to prevent, deter, and detect fraud. The course provides useful indicators and checklists. In

addition, this unit provides students with information on the developments of fraudulent transactions being external or internal threats to the organization.

10.8.5 BA 313: Financial Markets and Institutions (Finance & Accounts Option)

Credit Units: 4

Contact Hours: 60

Course Description

This course introduces students to workings of the today's financial markets and institutions. Financial markets encourage students to understand the connection between the theoretical concepts and their real world applications.

10.8.6 BA 215: Business Development Services (*Entrepreneurship & Bus Pro*)

Credit Units: 4

Contact Hours: 60

Course Description

Business Development Services (BDS) involves a wide range of services used by entrepreneurs to help them operate and grow their businesses. Evidence abounds that many small businesses are constrained by factors such as levels of education, poor management, weak marketing skills, inadequate technical know-how, limited access to markets, lack of information, and unreliable infrastructure. The course therefore introduces students to techniques of addressing these constraints to enable small businesses operate competitively in their markets.

10.8.7 BA 216: Services Marketing (*Entrepreneurship & Bus Pro*)

Credit Units: 4

Contact Hours: 60

Course description

The course is designed to help students gain a comprehensive understanding of services and how they are marketed. The foundation of this course is the recognition that services present special challenges that must be identified and addressed. The attraction, retention, and building of strong customer relationships through quality service are at the heart of this course.

10.8.8 BA 314: International Marketing (*Entrepreneurship & Bus Pro*)

Credit Units: 4

Contact Hours: 60

Course description

This course will provide a foundation for marketing concepts while emphasizing the international perspective. This course is designed to provide students with the necessary marketing knowledge and skills to understand and function effectively in a global environment. It seeks to familiarize them with the international marketing concepts and applications. By doing so, it is hoped that students will develop a cultural sensitivity, in addition to enhancing their analytical and creative skills.

10.8.8 BA 315: Rural & Development Management (Public Soc. Sector mgt)

Credit Units: 4

Contact Hours: 60

Course description

This course explores the management of rural development process and strategies in developing countries. The course will consider the main organizational forms and actors involved in the delivery of rural development policies, programs and projects. These include national and local government agencies, community organizations, cooperatives, NGOs, firms, international agencies and a variety of mixtures of these. The course will place an emphasis on case studies from development sectors including agriculture, health, water, education, infrastructure development, commerce, employment, credit, – all with a rural focus.

10.8.9 BA 316: Health Services Management (Public Soc. Sector mgt)

Credit Units: 4

Contact Hours: 60

Course description

Managing health services is increasingly becoming a major issue in development studies, owing to the fact that several health infrastructures, systems and facilities set up in many countries have been run down by management deficiencies. This course introduces the concepts, practices and

current debates in health services management. It will engage various approaches to effective and efficient health services infrastructure, healthcare planning and management.

10.8.10 BA 317: Public Financial Management (Public Soc. Sector mgt)

Credit Units: 4

Contact Hours: 60

Course Description

The course is intended to enable students focus on techniques of financial management employed in the public sector. The course will handle public sector regulatory framework, public sector financial management systems and preparation of financial statements in the public sector.

10.8.11 BA 318: Employment Relations and Labour Policies (Human Resource & Org Devt)

Credit Units: 4

Contact Hours: 60

Course description

Employment relations and policies influence work activities; and are both critical determinants of contemporary organizational success. This course seeks to promote understanding and appreciation of contemporary work dynamics, practices and policies and regulatory regime, with a focus on employment relations; taking both individual and collective aspects of the employment relationship, exploring the various ways and choices available to organizations in managing this relationship to promote organizational success.

10.8.12 BA 319: Strategic Human Resources Management (Human Resource & Org Devt)

Credit Units: 4

Contact Hours: 60

Course Description

This course analyses HR Management practices and links them to applied strategic thinking of organisations. HRM strategic thinking considers how the day to day HR issues and concerns can be integrated into the overall organisational decisions and strategies for corporate success. The course focuses on the way strategies can be formed and enacted in organisations, and on the internal and external environmental contexts from which human resource strategies emerge.

10.8.13 BA 320: Organisational Change and Development (Human Resource & Org Devt)

Credit Units: 4

Contact Hours: 60

Course Description

This course covers theory and practice in institutional/organizational change and development. It examines intervention strategies (assumptions underlying organizational development strategies) as well as evaluating and institutionalizing system wide change. Students will be taken through issues that address what causes organisations to change, the important role of change agents and change leaders in successful change programs, and how to develop strategies to minimise resistance and build commitment to the change program. Emphasis is placed on sustaining change by building organisational capability involving human resource and organisational practices and processes to sustain the organisation's ability to achieve continuous adaptation and development.

10.9 Year three recess term

10.9.1 TM 300: Community Engagement III

Credit Units: 5

Contact Hours: 225

Course Description

This course seeks to orient students into a workplace so that they can, in a holistic way, learn how to fit into an organization and contribute to the global organizational goals. Students are placed in the organization and are required to participate in the day today work under the organizational and university supervisor. Emphasis is put on the ability to fit in the organizational set up, ability to contribute to the organizational goals and flexibility to adopt to new environment. At this level, the student is expected to be deployed at a relatively complex level of the organization.

