

FEDERAL UNIVERSITY OF TECHNOLOGY OWERRI
SCHOOL OF MANAGEMENT TECHNOLOGY
DEPARTMENT OF MANAGEMENT TECHNOLOGY

COURSE OUTLINE

HARMATTAN SEMESTER 100 LEVEL

COURSE CODE	COURSE TITLE	L	T	P	UNIT
MTH 101	ELEMENTARY MATHS 1	3	1	0	4
PHY 101	GENERAL PHYSICS 1	2	1	1	4
CHM 101	GENERAL CHEMISTRY 1	2	1	1	4
ENG 101	WORKSHOP PRACTICE 1	0	0	1	1
ENG 103	ENGINEERING DRAWING 1	0	0	1	1
GST 101	USE OF ENGLISH 1	1	1	0	2
GST 103	PHILOSOPHY AND LOGIC	1	0	0	1
BIO 101	BIOLOGY FOR PHYSICAL SCIENCES	2	0	1	3
	ELECTIVES				
IGB 101	USE OF IGBO LANGUAGE 1	1	0	0	1
FRN 101	USE OF FRENCH 1	1	0	0	1
	TOTAL	12	4	5	21

Students to choose one elective

RAIN SEMESTER 100 LEVEL

COURSE CODE	COURSE TITLE	L	T	P	UNIT
MTH 102	ELEMENTARY MATHS 11	3	1	0	4
PHY 102	GENERAL PHYSICS 11	2	1	1	4
CHM 102	GENERAL CHEMISTRY 11	2	1	1	4
ENG 102	WORKSHOP PRACTICE 11	0	0	1	1
ENG 104	ENGINEERING DRAWING 11	0	0	1	1
GST 102	USE OF ENGLISH 11	1	1	0	2
GST 108	SOCIAL SCIENCES 1	1	1	0	2
GST 110	SCIENCE TECH AND SOCIETY	1	0	0	1
	ELECTIVES				
IGB 102	USE OF IGBO LANGUAGE 11	1	0	0	1
FRN 102	USE OF FRENCH 11	1	0	0	1
	TOTAL	11	5	4	20

Students to choose one elective

HARMATTAN SEMESTER 200 LEVEL

COURSE CODE	COURSE TITLE	L	T	P	UNIT
MTH 201	MATHEMATICAL METHODS I	2	1	0	3
MTH 211	INTRODUCTION TO STATISTICS AND PROBABILITY	2	1	0	3
CSC 201	COMPUTER APPLICATIONS I	2	1	1	4
ENG 201	WORKSHOP PRACTICE III	0	0	1	1
ENG 203	ENGINEERING DRAWING III	0	0	1	1
MGT 211	ECONOMICS I	2	1	0	3
GST 201	SOCIAL SCIENCES II	1	1	0	2
MGT 201	ELEMENTS OF MANAGEMENT I	2	0	0	2
MGT 203	BUSINESS COMMUNICATION	2	0	0	2
	TOTAL	13	5	3	21

RAIN SEMESTER (200 LEVEL)

COURSE CODE	COURSE TITLE	L	T	P	UNIT
MGT 202	ELEMENTS OF MANAGEMENT II	2	0	0	2
MGT 204	BASIC ACCOUNTING	2	1	0	3
MGT 206	INDUSTRIAL PSYCHOLOGY	2	1	0	3
ENG 212	ENGINEERING ECONOMY	2	0	0	2
CSC 202	COMPUTER APPLICATIONS II	1	1	1	3
MGT 210	ECONOMICS II	2	1	0	3
MTH 202	MATHEMATICAL METHODS II	2	1	0	3
	TOTAL	13	5	1	19

SIW 200	INDUSTRIAL ATTACHMENT	0	0	2	2
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HARMATTAN SEMESTER 300 LEVEL

COURSE CODE	COURSE TITLE	L	T	P	UNIT
MGT 301	BUSINESS LAW	2	0	0	2
PRT 301	INTRODUCTION TO PROJECT MANAGEMENT	3	0	0	3
MGT 303	FINANCIAL MANAGEMENT	3	0	0	3
MGT 305	PRODUCTION MANAGEMENT	2	0	0	2
MGT 307	MANAGEMENT THEORY	2	1	0	3
CSC 301	INTRODUCTION TO COMPUTER SYSTEMS	1	1	1	3
ENS 301	ENTREPRENEURSHIP STUDIES I	1	1	0	2
	TOTAL	14	3	1	18

RAIN SEMESTER 300 LEVEL

COURSE CODE	COURSE TITLE	L	T	P	UNIT
MGT 302	BUSINESS STATISTICS	2	1	0	3
MGT 304	MARKETING MANAGEMENT	2	1	0	3
MGT 308	OPERATIONS MANAGEMENT	2	0	0	2
MGT 316	OPERATIONS RESEARCH I	2	0	0	2
FMT 308	MANAGEMENT ACCOUNTING	2	0	0	2
CSC 308	SYSTEMS ANALYSIS, DESIGN AND CONTROL	2	1	0	3
MGT 310	MANAGEMENT INFORMATION SYSTEMS	2	1	0	3
ENS 302	ENTREPRENEURSHIP STUDIES II	1	0	1	2
	TOTAL	15	4	1	20

HARMATTAN SEMESTER 400 LEVEL

COURSE CODE	COURSE TITLE	L	T	P	UNIT
MGT 403	OPERATIONS RESEARCH II	2	0	0	2
MGT 405	TECHNICAL REPORT WRITING	2	0	0	2
MGT 407	INTRODUCTION TO ENTERPRISE RESOURCE PLANNING	2	0	0	2
MGT 409	STRUCTURE OF NIGERIAN ECONOMY	2	0	0	2
MGT 411	TOTAL QUALITY MANAGEMENT	2	0	0	2
MGT 413	MATERIALS MANAGEMENT	2	0	0	2
MGT 415	TECHNICAL REPORT WRITING	1	1	0	2
MGT 447	RESEARCH METHODOLOGY	2	0	0	2
MGT 449	INNOVATION MANAGEMENT	2	0	0	2
	TOTAL	17	1	0	18

RAIN SEMESTER 400 LEVEL

COURSE CODE	COURSE TITLE	L	T	P	UNIT
SIW 400	INDUSTRIAL ATTACHMENT (RAIN SEMESTER)	0	0	4	4
SIW 402	INDUSTRIAL ATTACHMENT (LONG VACATION SEMESTER)	0	0	2	2
	TOTAL	0	0	6	6

HARMATTAN SEMESTER 500 LEVEL

COURSE CODE	COURSE TITLE	L	T	P	UNIT
MGT 501	COMPARATIVE MANAGEMENT	2	0	0	2
MGT 503	INDUSTRIAL AND LABOUR LEGISLATION	3	0	0	3
MGT 505	BUSINESS POLICY AND STRATEGY I	2	0	0	2
MGT 507	COMPUTER BASED MANAGEMENT	2	0	0	2
MGT 509	HUMAN RESOURCE MANAGEMENT	3	0	0	3
MGT 511	BUSINESS MANAGEMENT	3	0	0	3
MGT 513	BIG DATA MANAGEMENT	2	0	0	2
	TOTAL	17	0	0	17

RAIN SEMESTER 500 LEVEL

COURSE CODE	COURSE TITLE	L	T	P	UNIT
MGT 502	BUSINESS ETHICS & CORPORATE GOVERNANCE	2	0	0	2
MGT 504	QUANTITATIVE ANALYSIS FOR BUSINESS DECISIONS	2	1	0	3
MGT 506	INTERNATIONAL BUSINESS	2	0	0	2
MGT 508	BUSINESS POLICY & STRATEGY II	2	0	0	2
MGT 510	RISK MANAGEMENT	2	0	0	2
MGT 512	LEARNING AND ADAPTING NEW TECHNOLOGIES	2	0	0	2
MGT 500	PROJECT WORK	0	0	6	6
	TOTAL	12	1	6	19

COURSE CONTENTS/DESCRIPTION

HARMATTAN SEMESTER 100 LEVEL

MTH 101: ELEMENTARY MATHEMATICS I (3,1,0)

Number systems, indices, surds and logarithms, polynomials, remainder and factor theorems, polynomial equations, rational functions, partial fractions, fields ordered fields. Inequalities, mathematical induction, permutations and combinations, binomial theorem. Sequences and series. The quadratic equation and function, Relation between the roots and the coefficients, complex numbers. Addition, subtraction, multiplication and division, Argand diagram, De Moivre's theorem, n - the roots of complex numbers. Elementary set theory. Venn diagrams and applications. De-Morgan's laws. Trigonometry, elementary properties of basic trigonometric functions, Addition formulae and basic identities. Sine and cosine formulae. Half angle formulae. Area of triangle. Solution of trigonometric equations. Inverse trigonometric functions. Functions, concept and notation. Examples. Composition, exponential and logarithmic functions. Graphs and properties. Limits and continuity. Techniques for finding limits. The derivative. Calculation from the first principles. Techniques of differentiation. Chain rule. Higher order derivatives. Extremum problems. Mean value theorem. Applications. Indeterminate forms and L'Hospital rule. Taylor's and Machlaurin's series. Curve sketching. Integration as reverse of differentiation, as area, as limit of finite sums. Definite integrals. Properties of definite integrals. Applications.

Pre-requisites: Credit O/L Maths.

PHY 101: GENERAL PHYSICS 1 (2,1,1)

Mechanics: Space and time, units and dimensions, vectors, kinetics, Newton's laws, Galilean invariance, statics and dynamics of particles, universal gravitation, work and potential energy, conservation of energy and momentum, rigid bodies, Elasticity; Hooke's low; Young's Shear and bulk module., fluid mechanics; hydrostatics, pressure, buoyancies, Archimedes' Principles, surface tension, adhesion, cohesion, capillarity, drops and bubbles. Thermal physics: thermal properties including elementary thermodynamics and kinetic theory. The laboratory course emphasizes qualitative measurements, the treatment of error measurements and graphical analysis. A variety of experimental techniques will be employed.

Pre-requisite: Credit in O/L Physics.

CHM 101: GENERAL CHEMISTRY 1 (2,1,1)

Chemical reaction, equations and stoichiometry. Atomic structure and the periodic classification of the elements, Electronic theory of atoms. Radioactivity. Ionic and covalent bonds. Solids and their structure. Dipole interactions and its effect on physical properties. Redox reactions equilibrium. Elementary Electrochemistry. Introduction to kinetic properties of gas. Basic chemical kinetics and Chemical thermodynamics. Principles of metal extraction.

Pre-requisites: Credit at WASC/GCE/O/L Chemistry

ENG 101: WORKSHOP PRACTICE I (0,0,1)

General use of engineering measuring instruments e.g. calipers, gauges etc. Introduction to hand tools e.g. practice in wood planners, saws, sanders and pattern making, sampling and sizing techniques, raw materials.

Sheet-metal work: Production of sheet metal products - layout, cutting and shaping, gas welding, soldering, brazing and fastening assembly.

Wood work: Basic woodworking principles and tools, layout methods, cutting and evaluation, finished projects.

ENG 103: ENGINEERING DRAWING 1 (0, 0, 1)

Introduction to Engineering Tools. Planning and layout of Engineering Drawing. Engineering Drawing Concept. Introduction to Dimensioning types; Dimensioning of circles, holes, radii, tolerancing. Descriptive geometry freehand sketching. Introduction to drawing/drafting software and CAD basic tools. Orthographic multi view projection. Construction of plane shapes using CAD construction techniques. Presentation of data and results, using charts, graphs etc., by appropriate computer software. Further dimensioning - addition of dimensions to drawing using CAD.

GST 101: USE OF ENGLISH 1 (1, 1, 0)

Use of Library: Use of words and sentence construction. Functions of sentences – purpose structure, correct use of verbs (Action words), word order and punctuation, essay /composition writing. Paragraphs – structure, function, links and style.

Exposition – description and explanation. Special types of exposition e.g., letter writing, layout of a business letter, technical reports – including terms of reference, drafting and editing of reports.

GST 103: PHILOSOPHY AND LOGIC (1,0,0)

This course aims at equipping the students with the capacity for critical, truthful and deep reflective thinking. These are qualities which are fundamental and indispensable for creative productive and objective academic research and excellence.

To this effect, this course will embrace such topics as the notion, origin and emergence of philosophy; fundamental philosophical attitude; importance, value and division of philosophy; Characteristics and major personalities of the various periods of the history of philosophy; major philosophical systems and methods. Logical proposition and test for validity; laws of thought; logical fallacies value of logic and problems of philosophy.

BIO 101: BIOLOGY FOR PHYSICAL SCIENCES (2,0,1)

Cell structures and organization; plant and animal cells. Functions of cellular organelles; diversity; characteristics of living things; General reproduction, mitosis and meiosis, abnormalities associated with gene crossing, evolution. Types of habitats, diversity of plants and animals, food chains and food webs; interrelationship of organisms, elementary biochemistry of carbohydrates, proteins and lipids structure and chemical characteristics.

Pre-requisite: Credit and WASC/GCE/O/L Biology.

IGB 101: INTRODUCTION TO IGBO I (1, 0,0)

The course will equip the student with basic language skills: listening, speaking, reading and writing in the approved 1961 orthography as the basics for standard Igbo. Igbo history and origin, evolution of Igbo written language, Igbo alphabets and word features (for the sake of non-Igbo students). Parts of speech, Igbo phrases and clauses, sentence patterns, elements of simple sentence (subject, verb complement and adjunct), principles of Igbo syllables and structure, vowel harmony, tone and tone drills, translation, composition (types and styles of composition). Organization and language use, comprehension, summary skills, exercise in oral delivery, public speech and address in Igbo, spelling in Igbo.

FRN 101: FRENCH LANGUAGE I (1,0,0)

Introduction to French, alphabets, numeracy for effective communication (written and oral), sentence conjugation and simple sentence construction based on communication approach, sentence construction, comprehension and reading of text.

MTH 102: BASIC/ELEMENTARY MATHS II (3,1,0)

Transcendental functions. Hyperbolic functions, inverse functions. Logarithmic differentiation. Methods of integration, integrational functions. Integration by parts. Improper integrals. Applications. Areas and volumes. Centre of mass. Ordinary differential equations. First order equations with variable separable. First order linear equations. Second order homogeneous equations with constant coefficients. Applications. Plane analytic geometry. Rectangular Cartesian co-ordinates. Distance between two points. The straight line. Loci. The circle, parabola, ellips and hyperbola. Second degree curves. Plane polar coordinate system. Graph of polar equations. Plane areas in polar co-ordinates. Vectors. Vector addition and multiplication. Products of three or more vectors. Vector functions and their derivatives. Velocity and acceleration. Matrix algebra. Addition and multiplication. Transpose. Determinants. Inverse of non singular matrices. Cramer's rule and application to the solution of linear equations (examples should be limited to $m \times n$ matrices where $m=3, n=3$). Transformations of the plane. Translation, reflection, rotation, enlargement, shear. Composition. Composition of transformations. Invariant points and lines.

Pre-requisites: Credit O/L Maths.

PHY 102: GENERAL PHYSICS II (2,1,1)

Electricity: Electrostatics; charge and matter, the electric field, Gauss's law, electric potential, capacitors and dielectrics. Current electricity; current and resistance, Ohm's law, electromotive force and circuits, RC circuits. Magnetism: Magnetostatics, magnetic field, Ampere's law, Faraday's law of induction, inductance, LR circuits. Magnetic properties of matter. Sound and optical properties. This laboratory course emphasized qualitative measurement, the treatment of error measurement and graphical analysis. A variety of experimental techniques will be employed. The experiment will include topics covered in PHY 102.

Pre-requisites: Previous registration in PHY 101 and MTH 101.

CHM 102: GENERAL CHEMISTRY II (2,1,1)

Organic formulae and structure. Homology and isomerism. Concept of hybridization. Survey of reactions of functional groups in aliphatic and aromatic compounds. Introduction to the

chemistry of alkanes, Alkenes,, Alkynes, Halokanes, Alkanols, Esters, Amines, Aldehydes, Ketones, Carboxylic acids and their derivatives.

Pre-requisite: Credit at WASC/GCE/O/L Chemistry.

ENG 102: WORKSHOP PRACTICE II (0,0,1)

Industrial safety: safety code of conduct and safety consciousness. Survey of common sources of accidents in the work place. Accident preventions and control. Machine-shops work: working components in a Lathe work; instruction in simple metal working process e.g. shaping, milling, grinding, drilling reaming, metal spinning etc. Design of jigs and fixtures. Introduction of automation in manufacturing: visualization fixtures and CAD automobile work, simple automobile diagnosis and repairs, Electrical Workshop Practice: Convention and application of colour, codes for cables, resistors etc. and signs. Use of simple electrical tools, machines etc.

ENG 104: ENGINEERING DRAWING II (0, 0, 1)

Connections in Engineering Drawing. Introduction to IS code of Drawing conics and Engineering curves – ellipse, parabola, cycloid, trochoid, involutes. Projection of planes and solids (cube, prism, pyramid, cylinder, cone and sphere). Projection on auxiliary planes isometric projection. Introduction to section drawing and use of CAD construction techniques. Development and intersection of surfaces. Detail drawing with the addition of machine and surfaces texture symbols. Simple assembly drawing with suitable fits and a part list and introduction to limits and tolerance. Screw threads, fasteners and springs including keys and key ways.

GST 102: USE OF ENGLISH II (1, 1, 0)

Comprehension and interpretation – reading efficiency of technical and non-technical material. Note taking; techniques of note taking from reading and from lectures, précis-writing or summarizing methods, technical vocabulary, word formation, use of classical and official terms, special terms, acronym, analytic or operational definitions; basic – words in field of specialization e.g. mechanical, electrical, civil, aeronautical, agricultural, automobile engineering, metallurgy, mathematics.

GST 108: SOCIAL SCIENCE 1 (1, 1, 0)

Introduction: The nature and scope of politics and economics. Definition of basic concept in economics and political science. Nigeria's public sector. The political setup in Nigeria. The civil service structure: public investment and economic infrastructure. The economic role of government. Government expenditure and revenues, fiscal federalism and revenue allocation. Nigeria's private sector: the financial system in Nigeria. The role of the agricultural sector in the development process. The industrial sector and public investment in Nigeria. Human resources development and utilization in Nigeria, national development planning – problems and prospects. Aspects of economic and technological dualism. Political and economic future of Nigeria. A global perspective of economics, economic systems and development of Nigeria's economy. International trade and economic development: balance of payments, commercial policies of Nigeria and other developing countries. Economic integration; state and structure of economics of ECOWAS countries; the EGA and economic cooperation in Africa. Foreign aid and investments: the International Corporation, technological transfer and technological

independence. Global inter-dependence and the new international economic order. World economic crises-energy and OPEC, food storage and armament.

GST 110: SCIENCE, TECHNOLOGY AND SOCIETY (1,0,0)

The scientific evolution of man, science and the need for science, history of science, classifications and modern scientific methods. Science and man's environment, terrestrial and cosmic life, harnessing science, climate and vegetation. Production, processing, conversion, distribution. Energy resources, solar thermal and nuclear energy -fossil fuels, estimates of energy reserves in Nigeria. Key revolutions in technology, electronics and computer technology, robotics and cybernetics, everyday applications. History of technological evolution/practice in Nigeria, role of technology-past, present and future, constraint in the utilization of new technological products, reliability, quality control, cost effectiveness. Politics and environment, effects of mechanization, consumerism, social implications of scientific advances e.g. population explosion, environmental pollution. Social implications of technological research and advances e.g. displacement of man by machine, space travel, threat of nuclear and neutron war, genetic research, energy crises, ethics in technology, professionalism, legal aspects.

IGB 102: INTRODUCTION TO IGBO LANGUAGE II (HISTORY, CULTURE AND LITERATURE)

This course will expose students to various aspects of human life among the Igbos as follows: Igbo world view, Igbo culture and history, Igbo in a world of arts and civilization. It will also provide a good exposure in the area of Igbo literature which embodies the totality of the Igbo world-view, including their social and cultural perspective, their aspirations and amenities, as some contemporary texts will be incorporated in the study. Greetings and respect in Igbo land, Igbo hospitality (kola nuts and presentation), Igbo institutions: marriage, family, socio-cultural institutions, economic institutions, religious institutions, health institutions, political institutions. Relationships with neighbours, myths and taboos, life and death, burial rights, Igbo belief systems, scope of Igbo literature, genres and features of Igbo literature, characteristics and general utility of oral and written literature, survey of written works in Igbo language. Prose, poetry, drama, excursion.

FRN 102: FRENCH LANGUAGE II

Here the students will be drilled in French grammar proper, dialogue and other oral exercises. The students will also be introduced to reading, starting with France Afrique Book I. At the end of this course, the students should be able to speak basic French and be able to tell time in French.

MTH 201: MATHEMATICAL METHODS I (2,1,0)

Functions of two or more variables. Limits and continuity. Partial derivatives, directional derivatives, tangent plane and normal line. Gradient, chain rule, total differential, implicit functions, Jacobians. Inverse functions, maxima and minima, Lagrange multipliers. Higher order derivatives. The Laplacian. Second derivative test for maxima and minima. Exact differentials. Derivatives of integrals, Taylor's theorem. Multiple integrals. Calculations of areas, volumes, centre of mass, moments of inertia etc. infinite sequences and series. Test for convergence. Absolute and conditional convergence. Power series. Pre-requisites: MTH 101 and MTH 102

MTH 211: INTRODUCTION TO STATISTICS AND PROBABILITY (2,1,0)

Frequency distribution, measures of location and dispersion in simple and grouped data. Laws of probability. The binomial Poisson and normal distributions. Estimation and test of hypothesis. Analysis of variance and covariance, simple regression and correlation, contingency tables χ^2 application.

Pre-requisite: MTH 101 and MTH 102

CSC 201: COMPUTER APPLICATIONS 1 (2,1,1)

Brief history of computers and computer generation. Classification of computers, Structure of a general purpose computer. Number systems, the stored programme. Techniques of problem solving. Flowcharting, Stepwise refinement. Algorithm for searching, sorting and merging of ordered lists. Data presentation. I/O devices. Data types. Data presentation. Data capture. Problem-oriented languages. BASIC and FORTRAN programming: Arithmetic expression; assignment statement; I/O commands; logical expression, arrays; sequencing, alternation and iteration; sub-programmes and parameters. Elementary numerical Algorithms.

Pre-requisites: MTH 101 or MTH 102.

ENG 201: WORKSHOP PRACTICE III (0, 0, 1)

Introduction to Manufacturing Technology

Basic Foundry Technology. Sand testing, mixing of sand, preparation of moulds. Pattern making-solid, split, sweep patterns; hoisting gates and risers. Melting and pouring of metals, solidification, casting of simple shapes using sand moulds, permanent moulds and expendable polystyrene. Casting defects. Joining: Design of welders joints, stress analysis, types of joints, e.g., T. Joints, BUTT Joint, corner Joints (Cap Joints etc), soldering, brazing, adhesive joints. Fusion welds – e.g. Manual metal arc, TIG, SAW, SPOT etc. Edge preparation, surface cladding etc. Strength and toughness of welded joints, Lesser Lesser welding radio frequency (RF) welding.

Note: The committee requested for additional one unit for ENG 201, considering the course contents and its importance in introductory manufacturing, the committee recommended that SEET Board of studies should establish a well-equipped foundry workshop laboratory to cope with the global training in Engineering principles and programmes.

Pre-requisites: ENG 101, ENG 102`

ENG 203: ENGINEERING DRAWING III (0, 0, 1)

Drawing Conventions including Weld vents, piping, referencing and selection of tolerances based on design requirements. Gear, gear drives, and rolling bearings. Pipes/structural drawing. Reading and interpreting complete drawing. Detailed use of CAD for Engineering Drawing and Introduction to auto CAD.

ECN 201: ECONOMICS 1 (2,1,0)

Nature of paradigms in the social sciences. Abstract models and socio-economic change. The nature and method of economic system. Supply, demand and elasticity. The cost of production, price and output determination under pure competition: monopoly, monopolistic competition and

oligopoly. Demand for economic resources, wages, rent, interest and profit determination, unionism. Current economic problems: the social control of industry, the farm problem. Rural to urban migration, the economics of income distribution, the economics of war and defense.

GST 201: SOCIAL SCIENCES II (1,0,0)

Concept and meaning of development, traditional Africa-its geographical and ethnographical review, its family structure, kinship system etc. Socio-economic pre-occupations, political systems, art and music modes of communication. Africa and press, urbanization and social change, modern trends in art and aesthetics, nationalism and cultural revival, mass media and national development.

MGT 201: ELEMENTS OF MANAGEMENT (2,0,0)

Management: Definitions, why study management. Pre-scientific management era. Evolution of management thought and practice. Different schools of management thought: classical, neo-classical theories and contemporary organizational theories. Managerial functions processes and scope, basic concepts. The organizational manager, authority and responsibilities, delegation and decentralization. Managerial levels, functions, qualities, managerial styles and managerial success. Leadership and motivation. Organizational change. The concept of staff selection and appraisal. Performance of managers. Accountability in organizations, diversity in the work place and conflict management. Management by objectives. Time management. Productivity concept. Business ethics and social responsibilities.

Management in the public and private sectors; compare aspects of business. Definitions and characteristics of businesses and their relations with government organizational environment. The internal environment, task environment and the general external environment. The input of environmental factors on business problems. International business/management; definitions and scope of multinational corporations.

MGT 203: BUSINESS COMMUNICATION (1,1,0)

Rudiments of communication: communication defined, elements of communication, principles of communication; oral, written and non-verbal communication. Language defined, non-verbal communication, listening, oral and written communication, functions and settings of communication, functions of communication, communication setting. Communication theories and models: linear model, interactional model, transactional model etc. Writing and communication methods; writing defined, stages of writing, other aspects of the writing process, corporate and public communications, commercial communication method and letter writing. Process of meetings, conferences, seminars, symposium and debates: meeting defined, conduct, procedures, aims and benefits/disadvantages of meetings. Written rules affecting meetings, conference, seminar, symposium and debates. Uses of words, sentences and figurative expressions, words and their meanings, synonyms and antonyms dynamism in words, and predication, suffixation, sentences/figurative expressions. Reports and handover notes; types of reports, components of reports and handover notes. Organization communication: the concept of organizational communication, factors affecting effectiveness of organizational communication. Types of organizational communication. Public relations and marketing communication.

MGT 202: ELEMENTS OF MANAGEMENT II (2,1,0)

Evolution of management thought and practice. Different schools of management thought. Managerial functions and processes. Organizational management: classical and neo classical theories: contemporary organizational theories. Management by objectives. Delegation. Organizational change. Leadership and motivation. Productivity concepts.

MGT 204: BASIC ACCOUNTING (2,1,0)

Book-keeping, cashbook, preparation of ledger accounts. Trial balance, profit and loss account. Income and expenditure account and balance sheet. Analysis and interpretation of financial statement. Depreciation accounting, partnerships, manufacturing accounts, stock valuation, company accounts, cash flow statements and statement of value added.

MGT 206: INDUSTRIAL PSYCHOLOGY (3,0,0)

Nature and scope of industrial psychology. Social Psychology, the relationship between social and industrial psychology. Psychology of human development and personality. Working in groups, group dynamics and effectiveness. Work integration: social skills in supervision and management; community and national behaviour; psychology and social-technical systems. Personality and values: The five personality models: stages of personality development and trait; Personality determinants. The importance of values and types of values. Perception: Nature of Perception and its importance. Factors that influence perception; Attribution theory; perceptual organisation; social perception. Attitudes and job attitudes; measuring satisfaction and courses of job satisfaction. The impact of satisfied and dissatisfied employees on the work place. Emotions and moods: Positive and negative affect; function of emotions and sources of emotions and moods; Emotional intelligence. Motivation: concepts and applications; motivation by job design; (job characteristics model). Employee involvement: (linking employee involvement programme and motivation theories) using rewards to motivate employees. Learning Process: Learning theory; Principles of learning; Techniques of administering reinforcement: The effect of punishment. Group dynamics: nature of group; stages of group development: The effect of punishment. Group dynamics: nature of group; stages of group development; group properties: norms, roles, status, size, cohesiveness and diversity; Group decision making. Leadership theories: trait theories, group theories, contingency and path-goal theories. Case studies.

ECN 202: ECONOMICS II (2,1,0)

National income accounting: Various definitions and measurements of income and output. The circular flow of income. The business cycle-unemployment and inflation. The consumption function, savings and investment. Changes in equilibrium level of net-national production and the multiplier. The acceleration principle. The banking system; the economics and balance of payment. Introduction to population multiplier. Introduction to population, economic growth and development. The origin of under-development and dependency.

Pre-requisite: ECN 201 number computation, logical IF statement, external statements, calling parameter techniques. String processing. File linear lists, stacks, queues

CSC 202: COMPUTER APPLICATIONS II (1,1,1)

Fortran dialects. Features of Features of FORTRAN IV. Further IV Programming - double precision arithmetic, Complex number computation; logical statement; external calling parameter

techniques. String processing. File linear list, stacks, queues, deques linked lists. Three basic computer architecture. Assembly language. Loaders, operating systems. PASCAL programming.

Pre-requisites PHY 102 and MTH 102.

MTH 202: MATHEMATICAL METHODS II (2,1,0)

Vectors, product of vectors. Equations of lines and planes. Vector spaces. Linear dependence and independence. Basis and dimensions. Linear transformations, matrices. Inverse of a matrix, Determinants, Operations on matrices. Rank of a matrix., Cramer's rule. Eigen values and Eigenvectors. Similarities to diagonal matrices.

Pre-requisites: MTH 101 and MTH 102

ENG 212: ENGINEERING ECONOMY (1, 1, 0)

Introduction: the role of Engineering Economic analysis, e.g engineering economic analysis, the decision making process. Engineering costs – fixed, variable, marginal and average costs, sunk cost, opportunity costs, recurring and non-recurring costs, incremental costs.

Interest and equivalence: Computing cash flows, time value of money, simple and compound interest formulas, calculation of equivalence involving interests. Economic analysis of alternatives – basis of comparison (annual equivalent cost comparison, present equivalent cost comparison, present equivalent cost comparison, incremental approach, rate of return comparisons, benefit/cost comparisons, MARR). Evaluating replacement alternatives, Break-even analysis.

Accounting and depreciation: Accounting and cost accounting, application of computer in accounting. Basic aspects of depreciation. Depreciation and expenses. Depreciation accounting methods – traditional methods, straight line, sum of the years digit and declining balance methods. Modified Accelerated Cost Recovery system (MACRS) methods. Comparison of MACRS to other depreciation accounting methods.

Income Tax: Income tax rates, calculation of taxable income of individuals and firms. Financial reports and statement of accounts of companies.

MGT 301: BUSINESS LAW (2,0,0)

The meaning, purpose and scope of law. The Nigerian legal system and sources of Nigerian law. General principles of the law of contract. The law of commercial transaction. Statutory and customary rights of occupancy, leasehold interest requirement for government consent to alienation of interest in land mortgages, etc Law of tort. Common law and its development; court and remedies; general survey of decree 51 known as companies and incidental matters; scales and rights of parties; partnership and relations of partners to persons dealing with the partnership; dissolution; corporation-characteristics; security devices; guaranty and suretyship; winding up and bankruptcy.

PRT 301: INTRODUCTION TO PROJECT MANAGEMENT (2,1,0)

The nature of project management. Characteristics of projects. The role of the project manager. Project life cycle. Project planning and development. Project evaluation, technical feasibility assessment. Economic analysis. Financial feasibility assessment. Site selection. Social

cost/benefit analysis. Sources of and cost of capital. Project finance. Project scheduling techniques. Project implementation and evaluation.

MGT 303: FINANCIAL MANAGEMENT (3,0,0)

The scope, nature and purpose of financial management. Sources and cost of capital. Short, medium and long term finance capital budgeting. Cost of capital. Analysis and interpretation of basic financial statement. Business mergers and takeovers and implications of dividend policy. Valuation of shares. Capital structure. Lease financing. Portfolio theory. The financial system and markets. International financial management.

MGT 305: PRODUCTION MANAGEMENT (2,0,0)

Modern production environment. Classification of production management. Product structure and bill of materials. Demand, forecasting. Aggregate planning. Master scheduling for high volume production. Operations sequencing and balancing. Planning and scheduling- decision rules and effectiveness criteria. Maintenance, planning and control.

MGT 307: MANAGEMENT THEORY (2,1,0)

Concept of theory and levels of theory. The features of theory in management. Evolution of management thought and practice. Different schools of management thought. Management functions and processes. Organisational management. Classical and neo-classical theories. Contemporary organisational theories. Links between management theories and models. Practice of management as a test of good management theory.

Difficulties in developing useful management theories in Nigeria. Theories of management. The scientific management movement, human relations movement. The systems movement and the managerial behaviourist movement. Theories of Motivation:- Content and Process theories. The Grid approach. Participative models. Management by objectives. Quantitative and behaviour control models. Testing specific theories and models in Nigeria. Criteria for locating bad management practices and ideas of how better management theories may be introduced to particular Nigerian Organizations.

CSC301: INTRODUCTION TO COMPUTER SYSTEMS (2,1,0)

Memory, central processing and input/output units. Registers, character representation, programme control. Fetch-Execute cycle. Input/Output operations. Assembler concepts and instruction format. Data-word definition. Literals Location counter. Error flags and messages. Implementation of high level constructs. Addressing techniques: Indexing, indirect addressing. Absolute and relative addressing. Macros: Definition call, parameters. Expansion, nesting, conditional assembly. File I/O: Basic physical characteristics of I/O specification statements and device handlers. Data handling including buffering and blocking. Programme segmentation and linkage. Assembler construction. One-pass and two-pass assemblers. Interpretive routines – Simulators, trace.

ENS 301: ENTREPRENEURSHIP STUDIES I (2,0,0)

Development of Entrepreneurship/Entrepreneurship, the Nigerian Entrepreneurial Environment, Creativity and Intellectual rights, Technological Entrepreneurship, Innovation: Theories and Management, Family business and succession planning, Women entrepreneurship, Social

entrepreneurship, Business opportunity set and evaluation, Introduction to business strategy, Introduction to business ethics and corporate governance, Relationship between scientific research innovation and products, Product invention, timeliness and processes.

MGT 302: BUSINESS STATISTICS (2,1,0)

Nature of statistics, statistical inquiries, forms and design. The role of statistics, basic concepts in statistics, discrete and continuous variables, functional relationships, sources of data, methods of collecting primary data, presentation of statistical data, measures of central tendency, measures of dispersion, moments, skewness and kurtosis, elementary probability distribution, normal binomial, poisson and hypergeometric. Elementary sampling theory, estimation theory, student's distribution, statistical decision theory, tests of hypotheses for small and large samples, chi-square distribution and test of goodness of fit, linear regression. Correlation theory, index, numbers, time series and analysis of time series.

MGT 304: MARKETING MANAGEMENT (2,1,0)

Nature of marketing: Science and theory of marketing. Development of marketing thought. Criticism of marketing. Managerial principles of marketing. Tasks and philosophies of marketing management. The marketing system in Nigeria. Marketing environment. Buyer behavior. Market segmentation, targeting and positioning. Services marketing. The marketing mix elements. Product policies and strategies. Pricing policies and strategies. Promotional policies and strategies. Distribution policies and strategies. Mega marketing. Relationship marketing management. Marketing planning. Marketing research. International marketing. Quantitative methods for marketing management decisions. Marketing for non-profit organisation. Marketing in practice. Cases in marketing management.

MGT 308: OPERATIONS MANAGEMENT (2,0,0)

Modern production environment, classification of production management, product structure and bill of materials, demand, forecasting, aggregate planning, master scheduling for high volume production, operations sequencing and balancing, planning and scheduling-decision rules and effectiveness criteria, maintenance, planning and control, elements of production, production and process, design and management, facility location and layout. Modern tools and machinery of production, standards definition, line balancing, automation, production scheduling and control, work study, maintenance, tools and equipments, quality control, work measurement, inventory control, project planning and forecasting. Aggregate planning, control and material resource planning, inventory management.

MGT 316: OPERATIONS RESEARCH I (2,0,0)

History of operations research. Phases of an operations research project. Operations research and its systems of orientation. Characteristics of operations research. Operations research models. Fundamentals of linear programming, matrix application in optimization. Linear programming model (graphical). Sensitivity analysis. Applications. Some variants of linear programming. Transportation model and the assignment model. Critical path method (CPM) and project evaluation review technique (PERT). Inventory control model (Deterministic case only). Input/output analysis and factor analysis.

MGT 308: MANAGEMENT ACCOUNTING (2,0,0)

The focus of this course is to assist the student to appreciate the dynamics of financial summaries in the managerial decision making processes. An attempt shall be made to appraise the relevant and important information flows that would assist the business manager to plan, coordinate and control the activities of the firm. The topics to be covered here include: budgets and budgetary control, break even analysis, accounting measures for decision making, introduction to cost volume relationships, outline of costing; standard costing, managerial costing and absorption costing. Management decisions; make or buy decisions, expand or delete decisions, profits planning. Capital expenditure decisions. Considering alternative investments, replacement investments and decisions control of capital expenditure. Differential analysis and decision process.

CSC 308: SYSTEMS ANALYSIS, DESIGN AND EVALUATION (2,1,0)

Business environment. Objectives of a computer-based system. Project. Fact finding and recording techniques such as interviewing, observation, clerical flow analysis. Analysis techniques such as statistical sampling, simple probability theory. Systems flowcharting, file organization, input document design, controls. Programme, specifications, clerical specifications, security, recovery, audit. Stages of testing module, programme, link, suite, volume, audit operations, user-system changeover. Parallel/pilot running implementation schedules. Operations procedure for file library, fault reporting project manual's system maintenance. Standards and documentation. Human factors, interviewing skills.

IMT 306: MANAGEMENT INFORMATION SYSTEMS (2,1,0)

The concepts of management information system. Systems theory, role and structure of management information system (MIS), data processing and operational systems, planning, forecasting and external system, internal control, decision support and executive information systems; formal and informal; "information centers and services. Distribution systems and central control, personal computer networks and file servers, data and network administrators, systems control and maintenance, charging for services. Audit and security of systems. Audit ability and quality systems, physical security and systems integrity, disaster planning, backup procedures and recovery, confidentiality and legal responsibilities, data protection legislation. MIS development.

ENS 302: ENTREPRENEURSHIP STUDIES I1 (2,0,0)

Concept of business and new value creation, Introduction to theories of growth, Business strategy, Sources of Capital, Principles of marketing, Business ethics and social responsibility, Opportunity sets and expansion considerations (e-commerce, e-business, e-trade), The scientist/engineer as an entrepreneur; opportunities and challenges, Managing transition (start up, growth), Basic accounting literacy, Feasibility and viability studies including issues in cash flow analysis, Crafting business plan, Corporate governance and change movement.

MGT 403: OPERATIONS RESEARCH II (2,0,0)

Simplex method of linear programming, principles of the simplex method. Duality theory and its applications. Non-linear programming Classical optimizations, single and multivariate variable. Lagrangian

multipliers and quality constrained problems. Kuhn Tucker conditions. Decision-networks applications to investment planning. Work Force planning, replacement problems etc. Introduction to waiting line (queuing models). Arrival time distributions, service time distributions, the basic waiting line model. Multiple channel models. simulations of stochastic process (Monte Carlo). Applications. Marker Chains-Marker system; n-step transition. Probabilities- classification of finite marker chains.

MGT 405: ORGANIZATIONAL BEHAVIOUR (2,0,0)

Concept of behaviour. Organisation, managers, administrators and performance, individual behavioural processes such as personal systems, self concept development, interaction styles, group behaviour processes such as informal structures, norms of work and play, status based rewards and punishment, leadership task distribution and performance appraisal. Theories of organizational behaviour and its relevance to Nigerian behavioural model. Organisational change. Work teams in organizations. Advanced topics in organisational behaviour and theories. Theories of behavioural change. The challenges of informal and emergent work systems. Formal work systems. Managing resistance to planned change.

MGT 407: INTRODUCTION TO ENTERPRISE RESOURCE PLANNING (2, 0, 0)

Enterprise Resource Planning facilitates information flow between all business functions and manages connections to outside stakeholders. The course will provide an integrated and continuously updated view of core business processes using common databases maintained by a database management system. Topics include:- business processing, process preparation, functional areas of business, best practices and management, business characteristic and expansion, data migration, applications of system share data, business resource planning, government resource planning, implementation configuration, production capacity, system customization, systems & connectivity.

MGT 409: STRUCTURE OF NIGERIAN ECONOMY (2,0,0)

Analysis of development in the pre-colonial and post-colonial periods with regards to development of economic and social organization. Role of agriculture, industry, money, banking and international trade in the context of Nigeria's economic development. Growth of income, employment, wages and prices. Public development institutions. National income and expenditure. Monetary and fiscal policies. Monetary institutions. Trade and transport business. Contributions of sectors of the Nigerian economy to national output. Economic development and social exchange. Introduction to economics. History of Nigeria. Casual factors and theories of development. Population, labour and employment. Trade and investment. Industrialization strategy, investment choice and project appraisal. Agricultural development. Money and finance.

MGT 411: TOTAL QUALITY MANAGEMENT (2,1,0)

This course will provide the student with the underlying principles and techniques of total quality management (TQM) with emphasis on their application to technical organizations. Student will develop a working knowledge of the best practices in quality and process management. Students will learn to view quality from a variety of functional perspectives and in the process, gain a better understanding of the problems associated with improving quality, also quality tools utilized in services and international environment. The course aims at impacting knowledge on

the quality management activities, specifically it will compare and contrast the various tools used in quality management, comprehend the concepts of customer's value, discuss the emerging tendencies toward global competitiveness, understand different perspectives on quality, comprehend six-sigma management and its tools. Demonstrate how to design quality into product and services.

MGT 413: MATERIALS MANAGEMENT (3,0,0)

Materials purchase management; organisation of materials purchasing department; purchase procedures and records; purchase price. Material control: ABC analysis; determination of stock levels re-order quantity. Stores organisation; types of organisation, centralized stores, imprest stores and decentralized stores; stores location and layout; classification and coding of materials. Stores routine records; materials requisition control; receipts and issue of materials; stores material control records. Perpetual inventory control system. Methods of valuing materials issue: materials ledger; methods of pricing materials issue; treatment of loss of materials in stores.

MGT 415: TECHNICAL REPORT WRITTING (2,0,0)

This course introduces students to the discipline of technical communication. Preparation of technical reports and visuals to supplement text. Workplace and business communications, descriptions and explanations of mechanisms, processes and procedures.

Definition, Features, strategies and types of technical reports

- Definition of a technical report
- Principles and Strategies of technical report writing
- Strategies of technical report writing: knowing your audience, purpose and length and choice of communication channels and medium
- Types of technical reports (memos, minutes of meeting, committee/panel reports, field/survey reports, memoranda, business proposals, consultancy (inception, interim, progress, draft and final) reports.

Idea organisation and formatting technical reports

- Writing styles & techniques
- The 12 golden rules of technical writing
- Reading critically

Writing Critically

- Critical thinking
- Developing synopsis
- Identifying major ideas and logical sequence of presentation
- Writing clear sentences
- Remove jargon, redundancy & wordiness
- Proper editing of reports

Presentation skills:

- Graphic and Power Point slides preparation
- Peaching

- Public speaking

MGT 447: RESEARCH METHODOLOGY (2,0,0)

Definition of research, nature of research and types, characteristics, qualities of researchable topics, conceptualizing research problem, aim & Objectives of a research. Skills of scientific investigation. Analysis and interpretation in dealing with business and organizational behavior problems in Nigeria. Formulating research questions and hypotheses, scope and limitations of a research. Importance of literature review, Literature sources, Obtaining & evaluating relevant literature, literature search engines, organization of thoughts and arguments, avoiding plagiarism, keeping notes of referred materials. Research philosophies, approaches, process, constructs and designs. Study population, sample size determination, Sampling methods, Variables and Measurement. Types of data, collecting secondary data, collecting primary data, questionnaire design & administration, conducting interviews. Validity & reliability, data presentation and analysis tools and techniques. Summarizing collected data, descriptive and inferential analysis for quantitative and qualitative data, answering research questions and testing hypotheses. Discussion of results, Summarizing finding, Conclusion & Recommendations. Documentations styles (Harvard and APA), word processing, editing, organization and formatting. Critical skills required for effective research (critical reading, critical thinking, critical writing and presentation skills).

MGT 449: INNOVATION MANAGEMENT (2,0,0)

The course aims to equip management students with an understanding of the main issues in the management of innovation and an appreciation of the relevant skills needed to manage innovation at both strategic and operational levels. It provides evidence of different approaches based on real-world examples and experiences of leading organizations from around the world. The management of innovation is one of the most important and challenging aspects of modern organization. Innovation is a fundamental driver of competitiveness and it plays a large part in improving quality of life. Innovation, and particularly technological innovation is inherently difficult, uncertain and risky, and most new technologies fail to be translated into successful products and services. Given this, it is essential that students understand the strategies, tools and techniques for managing innovation, which often requires a different set of management knowledge and skills. It will consist of topics such as: management of technological innovation, organising for innovation, technological innovation, innovation strategy, networks and communities of innovators, the management of research and development, managing product innovation, the other side of R&D, learning from others, capturing value from innovation, future challenges.

MGT 501: COMPARATIVE MANAGEMENT (2,0,0)

The comparative approach to management. Elements of management. The skills of management in the private and public sectors. Constraints of organizational setting on the management of group activities. Profiles of Nigerian executives. The use of management consultants and management contracts in streamlining the operations of public enterprise. Theories of comparative management. Selected problems of comparative management. Motivating personnel, controlling and rewarding performance. The change agent of Nigerian professionals in undertaking comparative management. Introducing change.

MGT 503: INDUSTRIAL & LABOUR LEGISLATIONS (2,1,0)

The concept of industrial relations, trade union characteristics. Industrial relation laws in Nigeria. Types of unions, internal structures and governance of unions, trade union federation affiliations, union solidarity and check-off systems. Consultations, the state and industrial relations. Comparative industrial relations system and theory. Legislative history in the area of labour administration, Origin and purpose of such legislation, e.g. Trade Union Acts, Labour and Trade Disputes Acts. Judicial Decisions including Arbitration Panels and Industrial Courts awards. The impacts of labour laws on industrial relations activities and strategies in Nigeria.

MGT 505: BUSINESS POLICY & STRATEGY 1 (2,0,0)

Concept of business policy, decision making, business objectives, organizational performance, structure and managerial behavior. Concept of business policy in relation to business, corporations and management. Linkages between organizations and their environment, practice in calculations simple financial and economic indices from business data and other accounting information, learning the behavioural implications of action, selecting strategies and structures of public liability companies from their published annual reports.

MGT 507: COMPUTER BASED MANAGEMENT (2,0,0)

Application of the computer in database management of management information systems; data analysis, use of spreadsheets in financial management, software application. The application of computers to the solution of management problems. Advanced network analysis, internet and extranet application in management. Limitations of computer application in financial analysis and management.

MGT 509: HUMAN RESOURCES MANAGEMENT (3,0,0)

Evolution of human resource management. The nature of human resource management: concept, policies, processes and importance. The role and responsibilities of human resource management in an organization; job analysis and description, manpower analysis, performance management, training and power development. Human resource planning, managers' assumption about people in organizations, recruitment, selection and interview style, cost of selection process, orientation or socialization. Motivation, employee benefits and reward system. Performance evaluation, promotions, demotions, transfers and separations. Compensation structure. Human resource management and strategy. Organizational change and development. Resistance to change. Design of work and organization design. Application of management functions in work settings. Organizational leadership and culture. Career planning and development, management development, creativity and innovation, talent management, morale, productivity, diversity and inclusion, industrial and labour relations, team management and group dynamics, participative management, conflict management. Succession planning. Employee turnover. Compliance with employment and labour laws. Employee health, safety and security. Stress management. Case studies.

MGT 511: BUSINESS MANAGEMENT (2,1,0)

The management of a business includes the performance or management of business operations and decision making, as well as the efficient organisation of people and other resources, to direct

activities toward common goals and objectives. This course therefore provides students with the knowledge and the analytical skill essential for employment in all sectors of business, industry, governmental and non-profit organizations. Students will understand the fundamentals of successful enterprise operation. They will have sufficient depth in an area of study to begin successful careers with a view to providing immediate value to organisations. Topics on this course include the following: Introduction to business, business entity, basic forms of business ownership. Supply Chain Management (SCM). Business strategy, corporate governance, organizations, organization and regulation. Management of Small and Medium Scale Business. Management of large scale organizations, society and business. Analysis of business environment. E-business, Business Process Modeling (BPM), business intelligence technologies, enterprise restructuring. International business.

MGT 513: BIG DATA MANAGEMENT

This course introduces students to the techniques of volume, variety and velocity of data for structured and unstructured data processing in large scale organizations. The goal of the course is to ensure high level of data quality and accessibility for business intelligence and big data analytics and applications. Knowledge of this course will enable students to locate valuable information in large sets of unstructured data and semi-structured data from a variety of sources, including call detail records, system logs and social media sites. Topics include:- concept of data, phases in data processing, data processing techniques, importance of timeliness in data management, data collection methods, data storage and retrieval, information extraction and cleaning, data modeling, data analysis and interpretation of results, systems architecture, query processing, data integration, aggregation, and representation, challenges in big data analysis.

MGT 502: BUSINESS ETHICS AND CORPORATE GOVERNANCE (2, 0, 0)

Ethics- meaning, principles and moral values; Ethical theories; meta-ethics, individual and corporate responsibility in decision-making. Professionalization and code of conduct, treatment of employees, safety and dependability of products, environment and pollution, personnel policies, plant relocation. Utilization and deontological concerns in business, cost of low, ethical standards, ethical reputation and market valuation/cost of capital organizational systems structures and ethical practice. Recruitment, management selection and ethical organizational systems structures and ethical practice, the boards and corporate ethics. Initiatives for integrity assessment and rational of companies and within companies, the issue of justice. Managing ethics in the workplace; some contemporary ethical issues in today's technology driven economy; Ethics in modern business and technology world; Ethics in technology; the impact of technological advances, and ethical expectations of corporations. Corporate social responsibility; Business ethics today and tomorrow; Resolving ethical dilemmas and making ethical decisions; Ethical Dilemmas, Cases, and Case Studies

MGT 504: QUANTITATIVE ANALYSIS FOR BUSINESS DECISIONS (2,1,0)

Fundamentals of business analysis. Types of decision situations. Decision trees. Operations research approach to decision analysis. Systems and systems analysis. Modeling in OR. Simulation cases for OR Analysis. Mathematical programming. Transportation model. Assignment model. Conflict analysis and Game theory. Project Management. Network analysis. Inventory replacement. Line balancing. Routing and sequencing. Forecasting techniques.

MGT 506: INTERNATIONAL BUSINESS (2,0,0)

The concept of international business. Classical trade theory. Modern trade theory. Factor proportions and factor intensity. Offer curves-reciprocal demand and supply. Dynamic factors. Changing the basis of trade. Terms of trade measure and the effects of tariff. International finance. Balance of payments accounting. The financing accounts. National income. Pricing and trade balance. The foreign exchange markets. Relatively fixed rate system. The Gold and Gold exchange standard. International business environments.

MGT 508: BUSINESS POLICY AND STRATEGY II (2,0,0)

Concept and framework of strategy, strategy formulation and implementation, strategic thinking. Developing clear business objectives, setting clear strategies and policies and presenting structures that are capable of being used in implementing chosen strategies. Organic business functions of marketing, production, finance and personnel in Nigeria. Management of corporate planning, budgeting and control, business performance appraisal, management by objectives, motivating group and individual effort, impact of environmental changes on the strategies and performance of a firm. Analysis of the role of employee and managerial behavior in success or failure of strategy implementation. Recent developments affecting the strategy formulation process of firms in Nigeria.

MGT 510: RISK MANAGEMENT (2,0,0)

Risk Theory: Principles of risk management. The aim of risk management. An analysis of the objectives of risk management. Risk planning. Data analysis, structuring decision, building decision models, risk assessment, decision making under uncertainty, business stimulation, business forecasting and regression analysis, resource allocation, capital budgeting and portfolio management, value at risk, Monte Carlo simulation. Identification of risk. Risk measurement. Risk reduction. Risk transfer.

MGT 512: LEARNING AND ADAPTING NEW TECHNOLOGIES (2, 0,0)

This course will offer students the skills for professional success in their working lives on graduation. Students will find themselves learning and adapting to industry's technological needs and to their own as employees or entrepreneurs. They will identify, evaluate and implement new and emerging technologies according to industry needs. Topic include:- Importance of technology in the workplace, how technology improves a business, technology's negative impact on business, why change is important in an organization, benefits of change in the workplace, technology's impact on organizational, the impact of technological change on business activity, how technology is impacting on the changes in the 21st century workplace, technology and the work environment today, introducing new technology to an organization, role of information technology in modern organizations, information technology for business success, user frustration with technology in the workplace.

MGT 500: PROJECT WORK (0,0,6)

Research work or capstone project provides students with the opportunity to integrate the knowledge and skill learned throughout the programme and is intended to be taken as a final course. Students develop, design and present a project that is related to the work or professional interest. They plan and justify the project by presenting a report.

The chosen topic and proposal will be submitted to the supervisor at the end of the fourth year. The final research project, the defence and submission take place towards the end of the fifth year in line with departmental guidelines.