

**OBAFEMI
AWOLOWO
UNIVERSITY,
ILE-IFE, NIGERIA**

FACULTY OF SOCIAL SCIENCES

**INSTITUTE FOR ENTREPRENEURSHIP AND
DEVELOPMENT STUDIES (IFEDS)**

2018 HANDBOOK



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ILE-IFE, NIGERIA**



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**INSTITUTE FOR ENTREPRENEURSHIP AND
DEVELOPMENT STUDIES (IFEDS)**

B.Sc. (Entrepreneurship and Industrial Extension)

2018 – 2021 HANDBOOK

ADDRESSES

THE UNIVERSITY

Postal Address.	Obafemi Awolowo University, Ile-Ife, Nigeria
Telephone & Fax.	036-232401 (Vice-Chancellor's Office) 036-233971 (Registrar's Office)
Telegrams.	Ifevarsity, Ile-Ife.
E-mail.	<u>registrar@oauife.edu.ng</u>
Website.	<u>www.oauife.edu.ng</u>

ABUJA OFFICE OF THE UNIVERSITY

OAU Guest Houses
18, Zaire Crescent,
Off Mississippi Road
Maitama, Abuja
Tel: 09-4134592

LAGOS OFFICE OF THE UNIVERSITY

OAU Guest Houses
9, Methodist Church Street
Off Opebi Road,
Ikeja, Lagos
Tel: 01-4935243

PUBLICATIONS

The following may be obtained from the Registrar:

The Chancellor (Published Biennially)

The University Gazette (Published Annually)

The Faculty/Postgraduate Handbooks (Published Biennially)

University Annual Reports.

CORRESPONDENCE

General- The Registrar

Finance- The Bursar

Institute of Education - The Director

Institute of Agricultural Research & Training- The Director

Institute for Entrepreneurship & Development Studies - The Director

OFFICERS OF THE UNIVERSITY

Visitor

His Excellency Muhammadu Buhari, GCFR
President & Commander-in-Chief of the Armed Forces,
Federal Republic of Nigeria

Chancellor

His Royal Highness
Alhaji (Dr.) Tahaya Abubakar (CFR)
Etsu of Nupe

Pro-Chancellor & Chairman of Council

Dr. Yemi Ogunbiyi

Vice-Chancellor

Professor E.O Ogunbodede
B.Sc; BChD; MPH; DPH; RCS; FDI

Deputy Vice-Chancellor (Academic)

Prof. A.S. Bamire
B.Sc. (Ife); MPhil. (Ife); Ph.D (Ife)

Deputy Vice-Chancellor (Administration)

Prof. C.O. Ajila
B.A. (Ibadan); M.Ed. (Ado-Ekiti); PhD (Ife)

Registrar

D.O. Awoyemi

B.A (Ife); M.Sc (Ife); AMNIM; MIAAP; MASAP

Librarian

F.Z. Oguntuase

B.Sc.; M.Sc.; PhD

Bursar

J. A Akeredolu (Mrs)

BSc.; MBA (Ife), ACA

LIST OF MEMBERS OF STAFF

1. ACADEMIC STAFF

S/N	Name	Qualification	Special Teaching and Research Area	Status
1	D.O. Elumilade	B.Sc., MBA., M.Phil. Ph.D. (Ife), FCA	Financial Management, Auditing, Financial Accounting	Professor & Director of the Institute Reader
2	S.A. Adegbite	BBA, MBA (Howard), M.Sc. (Tech. Mgt.), Ph.D. (Tech. Mgt.) (Ife)	Technopreneurship, Mentoring, Industrial Extension Services, Policy Analysis, Innovation and Business Planning	Reader
3	I.O. Abereijo	B.Sc. (FST), MBA, PGD (Computer Sc.), M.Sc. (Tech. Mgt.), Ph.D. (Tech. Mgt.) (Ife), erp4school Foundation certified	Technopreneurship, Industrial Extension Services, Innovation and ICT Application including Enterprise Resource Planning (ERP)	Reader
4	A.A. Alarape	B.Sc., PGD Mgt Sci.; MBA, M.Phil., Ph.D. (Bus. Adm.) (Ife)	Human Resources & Strategic Management, Industrial Extension Services & Entrepreneurship	Senior Lecturer
5	C.T. Jegede	B.Sc., M.Sc. (Ind. Geog.), PGDMS, MBA, M.Phil., Ph.D. (Ife) MCIPMN, erp4school Foundation certified	Human Resources Management, Entrepreneurial Capital and Development Studies	Senior Lecturer
6	A.O. Fayomi	B. Agric., PGD (Mgt. Std.), M.Sc., Ph.D. (Ife), erp4school Foundation certified	Small Business Development; Rural Entrepreneurship and Industrial Extension	Senior Lecturer
7	C.A.O. Akinbami (Mrs)	B.Sc. (Soc. & Anthro.), PGD (Fin. Mgt.), MBA, M.Sc., Ph.D. (Soc. & Anthro.) (Ife), erp4school Foundation certified	Rural Sociology, Women Entrepreneurship and Enterprise Resource Planning (ERP)	Senior Lecturer
8	M.O. Opatola	B.Sc., M.Sc., Ph.D. (Soc. & Anthro.) (Ife), erp4school Foundation certified. Cert. in Entrepreneurship (Bocconi University, Milano, Italy).	Personnel/Quality Management & Entrepreneurship Development, Socio-entrepreneurship; Enterprise Resource Planning (ERP) and Medical Sociology.	Lecturer I

S/N	Name	Qualification	Special Teaching and Research Area	Status
9	J.F. Obisanya	B.Tech. (Ind. Chem.) (Akure), M.Sc., Ph.D. (Chem.) (Ife), erp4school Foundation certified	Industrial & Analytical Chemistry, Quality Management and Entrepreneurship Development and Enterprise Resource Planning (ERP).	Lecturer I
10	F.O. Akinyemi (Mrs)	B.Sc., MBA, M.Phil. (Bus Admin.) (Ife); PhD (Bus. Admin.), (Witwatersrand), erp4school Foundation certified	Comparative Studies in Entrepreneurship; Financial Management; Family Business.	Lecturer I
11	T.F. Jiboye (Mrs)	B.A. (Eng.) (Ekpoma), M.Sc. (Int. Relations); PhD (Int. Rel) (Ife)	International Economic Relations; Family Business; Sustainable Development; Business Communications	Lecturer I
12	O.O. Adejumo (Mrs)	B.Sc., M.Sc., PhD (Econs.) Ife, erp4school Foundation certified	Development Economics. Human Capital Development and Sustainable Entrepreneurship	Lecturer I
13	M.O. Akinyosoye	B.Sc., M.Sc. M.Phil. (Econs.) Ife	Business Economics and Resource Planning	Assistant Lecturer
14	F.J. Afolabi (Mrs)	B.Sc., M.Sc. (Soc. & Anthro.) (Ife), erp4school Foundation certified	Sociology of Entrepreneurship; Business Planning; Occupational Health and Safety in Business Enterprise; Research Methodology	Assistant Lecturer
15	O.A. Adeagbo (Mrs)	B. Agric. (Ago Iwoye), M. Phil. (Agric. Econs.) (Ife); erp4school Foundation certified	Agriprenueurship and Marketing; Agribusiness; Small Business Dev.	Assistant Lecturer

2. PROFESSIONAL/TECHNICAL STAFF

S/N	Name	Qualification	Area of Specialisation	Status
1	Mr. M.O. Akanji	HND (Ibadan), PGDPA (Ilorin), MBA (Ado- Ekiti)	Marketing and Small Business Development	Chief Industrial Officer
2	Mr. L.W. Akinwale	HND (Ibadan), Advanced Dipl. (Ife)	Business Communication &	Chief Industrial Officer

S/N	Name	Qualification	Area of Specialisation	Status
3	A.A. Oguntimehin	B.Sc. (Accounting) (Lagos); B.Sc. (Banking & Finance) (Ago-Iwoye), MBA (Ife), ACIB; erp4school Foundation certified	Entrepreneurship Financial Management in SME Development	Senior Industrial Officer
4	M.O. Adeyemi (Mrs)	B.A. (His). PGD (Pub Adm.), MPA (Ife)	Business Counselling and Development	Higher Industrial Officer
5	I.A. Odu	B.Sc. (Pol. Sci.) (Babcock); PGD (Pub Adm.) (Ife)	Extension Service and ICT Applications	Higher Industrial Officer
6	F.B. Akintayo	HND (Banking and Finance) (Ire)	Industrial Extension Services	Assistant Industrial Officer

3. ASSOCIATE STAFF

The following are some of the associate experts for the institute drawn from various Departments of the university:

S/N	Name	Qualification	Status	Area of Specialisation
1	F.A. Adesina	B.Sc., M.Sc. (Ife), Ph.D. (Salford)	Professor of Geography	Environmental Resources, Strategic Planning, Policy Analysis & Research methods
2	A.A. Adebayo	B.Sc., M.Sc., Ph.D. (Ife)	Professor of Economics	Labour Economics
3	S.I. Oladeji	B.Sc. (Ibadan), M.Sc. (U.K.), Ph.D. (Ife)	Professor of Economics	Labour Economics
4	O.I. Aina (Mrs)	B.Sc., M. Phil., Ph.D. (Ife)	Professor of Sociology & Anthropology	Gender & Industrial Sociology
5	J.A. Fabayo	B.Sc. (Ife), M.Sc., Ph.D. (U.S.A.)	Professor of Economics	Industrial Economics
6	F. Togonu-Bickersteth	B.Sc. (Ibadan), M.Sc. Ph.D. (Bryn Mawr)	Professor of Psychology	Gerontology & Psychology
7	A.E. Akinlo	B.Sc., M.Sc., Ph.D. (Ife)	Professor of Economics	Monetary Economics
8	R.O. Soetan	B.Sc. (Ibadan), M.Sc., Ph.D. (Manchester)	Professor of Economics	Industrial Economics, Gender Studies
9	P.A. Olomola	B.Sc., M.Sc., Ph.D. (Ife)	Professor of Economics	Economic

S/N	Name	Qualification	Status	Area of Specialisation
10	D.O. Yinusa	B.Sc., M.Sc., Ph.D. (Ife)	Reader, Dept of Economics	Development Monetary Economics
11	T.O. Akinbobola	B.Sc.(Benin), M.Sc., Ph.D.(Ife)	Professor of Economics	International Economics
12	R.A. Ajisafe	B.Sc. (Ado-Ekiti), M.Sc., M.Phil. (Ife)	Senior Lecturer in Economics	Monetary and Economic Development
13	O.S. Elegbeleye	B.Ed. M.Ed. Ph.D. (Ibadan)	Professor of Psychology	Industrial Psychology
14	A.B. Folorunso	B.Sc., M.Sc., Ph.D. (Ife)	Professor of Economics	Industrial economics
15	C.O. Ajila	B.A., (Ibadan), M.Ed., (Ado-Ekiti), Ph.D. (Ife)	Professor of Psychology	Organisational Psychology
16	M.A.O. Aluko	B.Sc. (Ibadan), M.Sc., Ph.D. (Ife)	Professor of Sociology & Anthropology	Industrial Sociology
17	O.A. Ogunbameru	B.Sc., M.Sc., Ph.D. (Ife)	Professor of Sociology & Anthropology	Industrial Sociology
18	A.S. Aguda	B.Sc. (UNN), M.Sc., Ph.D. (Ife)	Professor of Industrial Geography	Industrial Geography
19	T.O. Odekunle	B.Sc., M.Sc., Ph.D. (Ife)	Professor of Climatology and Sustainable Development	Environmental Resources and Strategic Planning
20	O. A. Ajala	B.Sc., M.Sc., Ph.D. (Ife)	Professor of Geography	Environmental Planning
21	P.O. Ogunjuyigbe	B.Sc., M.Sc., Ph.D. (Ife)	Professor of Demography and Social Statistics	Demography and Social Statistics
22	S.A. Ajayi	B.Agric., M.Phil., Ph.D. (Ife)	Professor in Crop Production and Protection	Crop Production
23	A.S. Bamire	B.Agric., M.Phil., Ph.D. (Ife)	Professor of Agricultural Economics	Resource Economics
24	A.J. Farinde	B.Agric., M.Phil., Ph.D. (Ife)	Professor of Agric Extension & Rural Socio	Agricultural Extension
25	B. Ayanwale	B.Agric., M.Phil., MBA, Ph.D. (Ife)	Professor of Agricultural Economics	Econometrics, Mathematical Economics
26	L.O. Adekoya	B.Sc., M.Sc., Ph.D., R.Engr (COREN); MNSE; FNIAE; MAIAA; MRAES	Professor of Mechanical Engineering	Design Production and Maintenance

S/N	Name	Qualification	Status	Area of Specialisation
27	M.O. Ilori	B.Sc., M.Sc. (Ife), Ph.D. (Ibadan)	Professor of Technology Management	Technology entrepreneurship and innovation
28	C.T. Akanbi	B.Sc.(Ife), M.Sc. (R ² dg), Ph.D. (Leeds)	Professor of Food Science and Technology	Food process and engineering
29	E.R. Adagunodo	B.Sc., M.Sc., Ph.D. (Ife)	Professor of Computer Science & Eng	ICT in entrepreneurship
30	G.A. Aderonmu	B.Sc., M.Sc., Ph.D. (Ife)	Professor of Computer Science & Eng	ICT in entrepreneurship
31	T.O. Oyebisi	B.Sc., M.Sc., Ph.D., MBA (Ife)	Professor of Technology Management	Technology Planning and Development
32	K. A. Taiwo (Mrs)	B.Sc., M.Sc., Ph.D. (Ife)	Professor of Food Science and Technology	Food Technology
33	M.L. Nassar	B.Sc., MBA (Lagos), Ph.D. (Ife)	Professor of Management and Accounting	Entrepreneurship and Strategic Management
34	T.O. Asaolu	B.Sc., PGD (C.Sc.), MBA, FCA, ACTI, M.Phil., Ph.D. (Ife)	Professor of Management and Accounting	Accounting and Resource Management
35	E.D. Adetayo (Mrs)	B.Sc., MBA (Manila), Ph.D. (Ife), FNIMN	Professor of Management and Accounting	Entrepreneurship and Enterprise Development
36	D.O. Elumilade	B.Sc., MBA, M.Phil., Ph.D. (Ife), ACA	Professor of Management and Accounting	Management and Accounting; Financial Accounting; Corporate Finance.
37	A.A. Agboola	B.Sc., MBA, M.Phil., Ph.D. (Ife), PGD (C.Sc.)	Professor, Management & Accounting	Management Information System and Human Resources Management
38	R.I. Akindele	B.Sc., MBA, M.Sc., M.Phil., Ph.D. (Ilorin)	Professor of Management & Accounting	Human Resources Management
39	S.O. Fadare	B.Sc., MCP (Ewu), Ph.D. (Sheffield), MNITP, RTP	Professor of Urban and Regional Planning	Urban Transport Planning
40	G.O. Akinola (Mrs)	B.Sc., MBA, M.Phil., PGD (C.Sc.), Ph.D. (Ife)	Professor of Management & Accounting	Business and Gender Studies
41	O.O. Akinlo (Mrs.)	B.Sc., MBA, M.Phil., Ph.D. (Ife)	Professor of Management & Accounting	Finance, Cost and management Accounting
42	A.O. Ologunde	B.Sc., MBA, M.Phil.	Professor Management &	Human Resources

S/N	Name	Qualification	Status	Area of Specialisation
		(Ife)	Accounting	
43	A.O. Fatusi	M.B.Ch.B. (Ife), M.Sc., M.P.H., FWACP	Professor, Public Health	Health Care Planning & Management
44	A.O. Ogundaini	B. Pharm. M.Phil.(Ife), Ph.D. (Bath), CChem, MRSC, MPSN	Professor of Pharmacy	Medicinal Chemistry
45	E.F. Adesola	B.Sc.(Benin), M.Sc., Ph.D.(Ife)	Professor of International Relations	International Relations and Security Issues
46	W.A. Fawole	B.Sc. (Zaria), M.Sc.(Ife), M.Phil., Ph.D. (Wash.D.C.)	Professor, International Relation	Nigeria Foreign Policy
47	C.U. Ukeje	B.Sc., M.Sc., Ph.D.(Ife)	Professor of International Relations	Foreign Policy
48	K.O. Olayode	B.A., M.I.R., M.A. (Ife)	Senior Lecturer, International Relations	Gender Issues
49	M.O. Okotoni	B.A. History (Ibadan), MPA, Ph.D. Public Admin. (Ife)	Professor, Public Administration	Public Policy Analysis
50	A.M. Oladoyin	B.A., M.A., PGDMS, Ph.D. Public Admin. (Ife)	Professor of Public Administration	Public Policy Analysis
51	P.S.O. Aremu	B.A. Fine Arts (Zaria), M.F.A. Textile (Rochester, Ph.D. Ibadan)	Professor, Fine and Applied Arts	Fine Arts and Textile
52	S.O. Oke	B.Sc.; M.Sc.; Ph.D. (Ife)	Professor of Botany	Environmental Resources, Management and Conservation
53	K.O. Osotimehin	B.Sc.; M.Sc.; Ph.D. (Ife), FNIMN, FCSP, FPMA, NIMC, arpa	Professor of Management & Accounting	Agribusiness Management and Finance

4. ADMINISTRATIVE STAFF

S/N	Name	Qualification	Status
1	Mr. S.O. Lawal	B.Sc. (Demo & Soc. Statistics) (Ife); PDPA	Principal Assistant Registrar & Secretary to the Institute
2	Mr. B.O. Omisope	HND (Secreterial Adm); PGD; MRSA; MNIM;	Confidential Secretary & Secretary to Director of Institute

S/N	Name	Qualification	Status
		ACSR	
3	Mrs. A.K. Oyediran	WAEC; GCE; Grading Test; EDP	Chief Secretariat Assistant
4	Mrs. D.F. Adekanbi	WAEC; GCE; B.Sc.	Higher Executive Officer
5	Mrs. V.O. Oyetunji	WAEC	Assistant Chief Clerical Officer
6	Mr. O. Akintunde		Superintendent Driver
7	Mr. O.Y. Dele	WAEC; Diploma (Bus. Acctg)	Assistant Executive Officer
8	Mr. S.A. Oladipo	Primary Six	Chief Office Assistant

HISTORICAL NOTES ON THE UNIVERSITY

1. History of the University

Obafemi Awolowo University, Ile-Ife is one of the three Universities established in Nigeria between 1961 and 1962 as a result of the report submitted to the Federal Government in September, 1960, by a Commission it appointed in April 1959 under the Chairmanship of Sir Eric Ashby, Master of Clare College, Cambridge, to survey the needs of post-secondary and higher education in Nigeria over the next twenty years.

The Government of the Western Nigeria first announced in 1960 its intention to establish as soon as possible a University in Western Nigeria which would be of highest standard. Its policy would be to open its door to students from all parts of the federation and the world.

The planning of the Obafemi Awolowo University was entrusted to two committees. The first being a University Planning Committee comprising persons qualified to advise on the planning of a new University, and who in effect undertook the preparatory work connected with the establishment of the University pending the setting up of the Provisional Council of the University. The second committee was the University Parliamentary Committee, which was the advisory to the Minister of Education. On 8th June, 1961, the Law providing for the establishment of the Provisional Council of the university was formally inaugurated under the Chairmanship of Chief Rotimi Williams.

On 11th June, 1970, an edict known as the University of Ife Edict 1970 was promulgated by the Government of the Western State to replace the Provisional Council Law of 8th June, 1961. This Edict has since been amended by the Obafemi Awolowo University, Ile-Ife (Amended) Edict No. 11 of 1975 (Transitional Provisions) Decree No. 23 of 1975. The new Decree effected a takeover of the Obafemi Awolowo University by the Federal Military Government and established a Provisional Council as an interim governing body of the University which shall, subject to the general direction of the Head of the Federal Government, control the policies and finances of the University and manage its affairs. Governing Council has since replaced this Provisional Council.

The site selected for the University was at Ile-Ife, a town about 80 Kilometers Northwest of Ibadan in the Oyo State. Ife is famous as the centre of an ancient civilization and home of the Museum which contains the renowned Ife heads. It was intended that temporary buildings be put up at the site to enable teaching to commence in October 1962 while the permanent buildings were being planned and erected. But

when the Federal Government transferred the Ibadan Branch of the Nigeria College of Arts, Science and Technology to the University, it was decided that it would be unnecessary to put up temporary buildings at Ife. Hence, the University was temporarily located on the site of the Ibadan Branch of the Nigerian College.

Teaching began in October 1962 with an initial enrolment of 244 students. The teaching, administrative and technical staff, either transferred from the Nigerian College or newly recruited from abroad numbered about eighty.

The University started with five Faculties – Agriculture, Arts, Economics and Social Studies (now Social Sciences), Law, and Science. Six new faculties have since been added, namely the Faculty of Education (established on the 1st October, 1967), Faculty of pharmacy (established on the 1st October, 1969), the Faculties of Technology and Health Sciences (now College of Health Sciences) (established on the 1st October, 1970), Faculty of Administration (which replaced the former Institute of Administration with effect from 1st October, 1979) and Faculty of Environmental Design and Management (established on the 6th April, 1982).

In 1992, the University established a collegiate system with five colleges. The system did not function effectively and was abandoned for two years. However, the Postgraduate College and the College of Health Sciences were retained. The College of Health Sciences now comprises of Basic Medical Sciences, Clinical Sciences, and Dentistry.

The Adeyemi College of Education located in Ondo and the Institute of Agricultural Research and Training in Ibadan were initially integral part of the University. Although the Adeyemi College was separated from the University in 1975, however, there is still a close relationship between the two institutions. The college offers degree programme of the University under a system that is closely monitored by the University.

The Institute of Agricultural Research and Training, Ibadan, with a branch at Akure in Ondo State, used to be fully superintended by the University in 1991. However, the Akure branch and the College of Animal Science of the Institute continued to report to the Federal Government through the Director of the Institute. In terms of funding, the Institute of Agricultural Research and Training now relates to the Federal Ministry of Agriculture while the University still has administrative responsibility for the Research and Administrative staff of the Institution. The Director and the Secretary of the

Institute are responsible to the University through the Vice Chancellor and Registrar respectively. The Vice-Chancellor is the Chairman of the Institute's Governing Board.

The following other Institutes and major units exist in the University:

- (i) The Natural History Museum
- (ii) The Institute of Ecology and Environmental Studies
- (iii) The Centre for Gender and Social Policy Studies
- (iv) The Institute of Public Health
- (v) The Institute of Cultural Studies
- (vi) African Institute for Science Policy and Innovation
- (vii) The Computer Centre
- (viii) The Drug Research and Production Unit

1.1. Mission and Vision of the University

The mission of Obafemi Awolowo University is to nurture a teaching and learning community; advance frontiers of knowledge; engender a sense of selfless public service; and add value to African culture.

The vision is to be a top rated university in Africa.

2. Brief History of the Institute

The Institute for Entrepreneurship and Development Studies (formerly Centre for Industrial Research and Development) was established within the Faculty of Social Sciences, University of Ife, now Obafemi Awolowo University, Ile-Ife, in June 1968, as a research unit in small business development. Originally, the Institute started as a research unit in the Department of Economics and was referred to as Industrial Research Unit (IRU). This Unit was aided by old Western Region of Nigeria, the Federal Ministry of Finance and Economic Development, United Nations Industrial Development Organisation (UNIDO) and United Nations Development Programme (UNDP) between 1979 and 1990, hence was upgraded to Industrial Research & Development Unit (IRDU) and later to Centre for Industrial Research and Development (CIRD). The assistance of the UNDP/UNIDO was directed towards strengthening it as a **Centre of Excellence** for Entrepreneurship Development and Training for other ECOWAS English speaking countries.

2.1. Focus of Activities

The vision of IFEDS, in part, is to promote entrepreneurship and assist in the development of small-scale enterprises in Nigeria. This is pursued through its training programmes for various public and private organisations in all the functional areas of business start-ups and management. The Institute also provides business support in terms of counselling, monitoring and evaluation, and technical backstopping organisation.

3. The Course Unit System and the Computation of Grade Point Average (GPA)

(a) Definition of Terms

- (i) Student workload: This is defined in terms of course units. One unit represents one hour of lecture or one hour of tutorial or 2 – 4 hours of practical work per week throughout the semester. For example, a course in which there are 2 hours of lecture and 1 hour of tutorial per week is a 3 unit course.
- (ii) Total Number of Unit (TNU): This is the total number of course units carried by a student in a particular semester. It is the summation of the load units on all courses carried during the semester. For example, a student who is offering 5 courses of 3 units each has a TNU of 15 for that semester. No student shall be allowed to register for more than 24 units in any particular semester.
- (iii) Cumulative Number of Units (CNU): This is the total number of units over all the semesters from the beginning to date. A student who repeats courses will finish (if he/she does not drop out) with a higher CNU than his/her non-repeating colleague.
- (iv) Rating of Performance: The rating used, following the University format, is as follows:

Level of Performance	Rating (credit points per unit)
A = 70% - 100%	5
B = 60% - 69%	4
C = 50% - 59%	3
D = 45% - 49%	2

Level of Performance	Rating (credit points per unit)
E = 40% - 44%	1
F = 0% - 39%	0

Based on the above, a student who obtained a grade of ‘A’ in a 3-unit course has scored 15 credit points (5x3), and one who obtained a grade of ‘C’ 9 credit points (3x3).

- (v) Total Credit Points (TCP): This is the sum of the products of the course units and credit in each course for the semester. For example, a student who took 4 courses of 3 units each would have obtained C, B, F, and D has a TCP as shown below:

$$(3 \times 3) + (3 \times 4) + (3 \times 0) + (3 \times 2) = 9+12+0+6 = 27$$

- (vi) Cumulative Credit Point (CCP): This is the summation of Total Credit Points over all semesters from beginning to date.
- (vii) Grade Point Average (GPA): This is the total credit points (TCP) divided by the total units (TNU). For example, consider the student referred to above in (v). The TCP is 27, and the TNU is 12 (that is, 4 courses with 3 units each). His/her GPA will be $27/12 = 2.25$. The highest GPA that can be earned is 5.0, and that is when a student has scored a grade of ‘A’ in each of all the courses during the semesters. On the other hand, the lowest GPA obtainable is 0.0, and this would happen if the student has ‘F’ in all his/her courses.
- (viii) Cumulative Grade Point Average (CGPA): This is the summation of TCPs for all the semesters, divided by the summation of TNUs for all the said semesters. Like GPA, the CGPA obtainable ranges from 0 to 5.

(b) Assessment and Award of B.Sc. Certificate

- (i) The final grade shall be indicated by the Cumulative Grade Point Average (CGPA) obtained by each candidate in all prescribed courses.
- (ii) A candidate who has satisfactorily completed all requirements for the BSc Certificate in the category with an overall grade point average of not less than 2.50 shall be awarded the Certificate in the category as indicated below:

First Class	4.50 – 5.00
Second Class (Upper)	3.50 – 4.49
Second Class (Lower)	2.40 – 3.49
Third	1.50 – 2.39

4. B.Sc. Entrepreneurship and Industrial Extension (Curriculum)

(i) Philosophy of the programme

The philosophy of the proposed programme is to produce graduates with entrepreneurial mindset, highly innovative, self-reliant, competent, as well as efficient employers of labour. It will also be run to expose students to the state-of-the art ICT- driven enterprise planning using particularly the SAP software.

(ii) Objectives of the Programme

The primary objective of this programme is to produce graduates who are adequately equipped to initiate, engage and provide leadership in entrepreneurship and development process.

4.1. Specific Objectives of the programme

The specific objectives are to:

- (i) develop entrepreneurial competencies in students through the teaching of concepts, theories, principles and practice of entrepreneurship as well as exposing them to mentorship by successful entrepreneurs;
- (ii) promote the culture of hard work and diligence in preparation for the world of work;
- (iii) develop in students business leadership attributes including interpersonal skills, required to set up and manage businesses and or for working in various organisations;
- (iv) create in the students the ability to operate businesses taking due cognizance of the changing socio-economic and physical milieu as well as the capability to link research outputs with the business world; and
- (v) equip graduates with requisite skills and capability for efficient and effective Industrial Extension services.

4.2. Elements of the Programme

- (i) Generation of business idea, identification and exploitation of business opportunities.
- (ii) Promoting personal entrepreneurial competencies (PECs) and innovative skills among graduates.
- (iii) Strategies for handling managerial challenges.
- (iv) Developing business feasibility reports and business plans.
- (v) Starting-up and running businesses as well as developing appropriate work ethics.
- (vi) Identifying and exploring local, national and international business opportunities.
- (vii) Managing finances at personal and organisational levels.
- (viii) Greening national economies.
- (ix) Effective linkages of research outputs with industries.
- (x) Managing risks in business.

At the end of the course, graduates should be able to think critically with requisite analytical and communication skills to efficiently and effectively start and manage enterprises in today's increasingly competitive business environment. From home-based businesses to venture capital start-ups, the graduates of the programme should also be able to work in a wide variety of settings and contribute meaningfully to the country's socio-economic development.

4.3. Mentoring

The running of this programme requires that students interact with accomplished entrepreneurs who could act as mentors and or role models. To make the mentoring system effective, a Mentoring Board will be constituted to, among other things, facilitate the linkages of students with mentors at home and abroad. Furthermore, the Board will facilitate the development of Business Incubation Centre in the University which is critical to the initiation and development of business ideas. The committee will be made up of accomplished entrepreneurs and captains of industries.

4.4. Degree Offered. B.Sc. (Entrepreneurship and Industrial Extension)

The requirement(s) for the admission of students and award of degree will

meet the minimum requirement stipulated for undergraduate students of the Faculty of Social Sciences. Therefore, it is expected that the results of graduates of the B.Sc. programme will be processed by IFEDS through the Faculty of Social Sciences to the University Senate.

4.5. Admission Requirements

4.5.1. Candidates for admission must possess a Senior Secondary School Certificate or General Certificate of Education or their equivalents with at least five credits including English, Mathematics and one of social sciences subjects (Economics, Government and Geography) at not more than two sittings.

4.5.2. Entry requirement to Part I include passing the Unified Tertiary Matriculation Examination (UTME) and post UTME to the satisfaction of the university. The UTME subjects combination for the entrance examination includes Mathematics, English and any other two subjects which must include one of the social sciences subjects, **except** commerce and bookkeeping.

4.5.3. Direct Entry: In addition to 5.1 above, Direct Entry candidates must possess a minimum of credit pass in at least five GCE A/L subjects. Also, candidates with Diploma awarded by OAU, Ile Ife or ND/HND with at least an Upper Credit score from accredited and recognized institutions can apply.

4.6. Required Minimum Credit for Graduation

To be eligible for the degree of B.Sc. Entrepreneurship and Industrial Extension, candidates must have taken and passed compulsory, restricted and special elective courses. Students are required to pass Special Elective courses adding up to a minimum of 12 units although these will not be included in computing students' GPA.

4.7. Minimum Number of Units Students will be required to take

- (i) Student admitted through UTME: Minimum requirement is 172 units (including Special Electives of 12 units).
- (ii) Direct Entry students: Minimum requirement is 132 units (including Special Electives of 12 units).

LEVEL	TOTAL
100	40 Units
200	45 Units
*IT/SIWES	03 Units
300	43 Units
*IT/SIWES	03 Units
400	38 Units
Total	172 Units

*IT - Industrial Training by attachment to approved entrepreneurial business
(SIWES means Student Industrial Work Experience Scheme)

4.8. Course Tables.

The Tables below show the courses students are expected to take before graduation. The Tables also indicate the Lecture Hours (L), Tutorial Hours (T), Practical Work (P), and the Status implies the Course is either a Core Course (C) or an Elective (E) while the Unit (U) is simply the addition of the Lecture Hours and Tutorial Hours (L + T).

PART I – HARMATTAN SEMESTER

i. Core Courses

Course Code	Course Title	L	T	P	Status	Unit
SSC 101	Man in His Social Environment	2	1	0	C	3
SSC 103	Man's Environment Relations	2	1	0	C	3
SSC105	Mathematics for Social Scientists I	2	1	0	C	3
ETR 101	Introduction to Entrepreneurship	2	1	0	C	3
TOTAL		8	4	0		12

ii. Special Elective

SER 001: Use of English

Plus

At least one other Special Elective from any of the Faculties in the University outside of Faculty of Social Sciences.

iii. Restricted Electives

A minimum of 3 Units of courses from the following

Course Code	Course Title	L	T	P	U
SSC 111	Introduction to Psychology	2	1	0	3
MUS 101	Music as an Art and Science	2	1	0	3
MUS 111	Rudiments of Music I	2	1	0	3
HIS 101	Culture and History of Africa to C. 1500 AD	2	1	0	3
DRA 101	Introduction to Drama and Theatre	2	1	0	3
FAA 101	Introduction to Fine and Applied Arts	1	1	0	2
FAA 103	Introduction to General Drawings	1	0	6	3
SSC 107	Man's Physical Environment	2	1	0	3

PART I – RAIN SEMESTER

i. Core Courses

Course Code	Course Title	L	T	P	Status	Unit
SSC 102	Man and the Economic Environment	2	1	0	C	3
SSC 104	The Governing of Man	2	1	0	C	3
SSC 106	Mathematics for Social Scientists II	2	1	0	C	3
ETR 102	Introduction to Industrial Extension and Business Development Services	2	1	0	C	3
TOTAL		8	4	0		12

ii. Special Elective

SER 001: Use of English

Plus

At least one other Special Elective from any of the Faculties in the University outside of Faculty of Social Sciences.

iii. Restricted Electives

A minimum of 3 Units of courses from the following

Course Code	Course Title	L	T	P	U
MUS 112	Rudiments of Music II	2	1	0	3
DRA 102	Drama as Literature	2	1	0	3
HIS 102	History of Africa, 1500-1800	2	1	0	3
FAA 102	Art Appreciation	1	1	0	2
SSC 112	Foundation of Psychology II	2	1	0	3

PART II – HARMATTAN SEMESTER

i. Core Courses

Course Code	Course Title	L	T	P	Status	Unit
ETR 201	Principles & Theories of Entrepreneurship	2	1	0	C	3
ETR 203	Entrepreneurial Economics I	2	1	0	C	3
ETR 205	Record Keeping & Accounting for Entrepreneurs	2	1	0	C	3
ETR 207	Introduction to Entrepreneurial Ventures	2	1	0	C	3
SSC 201	Statistical Methods & Sources I	2	1	0	C	3
PHL 201	Introduction to Logic I	2	1	0	C	3
TOTAL		12	6	0		18

ii. Special Electives

At least one Special Elective from any of the Faculties in the University outside of Faculty of Social Sciences. Direct students are required to take a minimum of 2 electives per semester in Part II

iii. Restricted Electives

A minimum of 3 Units of courses from the following:

Course Code	Course Title	L	T	P	U
DRA 203	African Drama and Theatre: The Colonial Era	2	1	0	3
DSS 201	Population Theories and Patterns	2	1	0	3

Course Code	Course Title	L	T	P	U
FST 201	Introduction to Food Science	1	1	0	2
GPY 201	Introduction to Social Geography	2	1	0	3
ACC 101	Introduction to Accounting I	2	1	0	3
ACC 103	Introduction to Business I	2	1	0	3
ACC 203	Introduction Cost Accounting I	2	1	0	3
POL 201	Political Inquiry and Analysis	2	1	0	3
PSY 201	General Psychology I	2	1	0	3
SOC 201	Introduction to Sociology I	2	1	0	3

PART II – RAIN SEMESTER

i. Core Courses

Course Code	Course Title	L	T	P	Status	Unit
ETR 202	Principles and Practices of Industrial Extension Services	2	1	0	C	3
ETR 204	Entrepreneurial Economics II	2	1	0	C	3
ETR 206	Industrial Project Analysis and Management	2	1	0	C	3
SSC 202	Statistical Methods & Sources II	2	1		C	3
ETR 210	Social Entrepreneurship and Community Development	2	1	0	C	3
ETR 212	Business Communication Skill	1	1	0	C	2
TOTAL		11	6	0		17

ii. Special Elective

At least one Special Elective from any of the Faculties in the University outside of Faculty of Social Sciences. Direct students are required to take minimum of 2 electives per semester in Part II

iii. Restricted Electives

A minimum of 3 Units of courses from the following

Course Code	Course Title	L	T	P	U
ETR 208	Cooperative Societies System	2	1	0	3
DSS 202	Demographic Concepts and Characteristics	2	1	0	3
GPY 204	Introduction to Geomorphology	2	1	0	3
ACC 102	Introduction to Accounting II	2	1	0	3
ACC 104	Introduction to Business II	2	1	0	3
POL 202	Nigerian Constitutional Development and Politics	2	1	0	3
PSY 202	General Psychology II	2	1	0	3
SOC 202	Introduction to Sociology II	2	1	0	3

PART III – HARMATTAN SEMESTER

i. Core Courses

Course Code	Course Title	L	T	P	Status	Unit
ETR 301	Gender Perspective in Entrepreneurship	2	1	0	C	3
ETR 303	Fundamentals of Business Start-up & Development	2	1	0	C	3
ETR 305	Role Model & Mentoring	2	1	0	C	3
ETR 307	Human Capital & Organisation Management	2	1	0	C	3
ETR 309	Industrial Extension Strategy I	2	1	0	C	3
TOTAL		10	5	1		15

ii. Special Elective

At least one Special Elective from any of the Faculties in the University outside of Faculty of Social Sciences.

ii. Restricted Electives

A minimum of 3 Units of courses from the following

Course Code	Course Title	L	T	P	U
ACC 205	Introduction to Financial Management I	2	1	0	3
AXD 301	Extension Teaching/Learning Process and Methods	2	0	3	3
CPP 301	Agronomy of Arable Crops	2	1	0	3
ECN 311	Industrial Economics I	2	1	0	3
AAE 303	Principles of Agricultural Economics	2	1	0	3
FST 301	Processing of Food Commodities	1	0	3	2
FST 307	Food Process Technology I	0	0	3	1
GPY 313	Location of Service Centres	1	0	3	2
PSY 315	Organisational and Industrial Behaviour I	2	1	0	3
ACC 411	Operations Research	2	1	0	3

PART III – RAIN SEMESTER

i. Core Courses

Course Code	Course Title	L	T	P	Status	Unit
ETR 302	Research Methodology in Entrepreneurship and Development Studies	2	1	0	C	3
ETR 304	Creativity & Innovation	2	1	0	C	3
ETR 306	ICT Application in Entrepreneurship	2	1	0	C	3
ETR 308	Commercial Law	2	1	0	C	3
ETR 312	Industrial Extension Strategy II	2	1	0	C	3
TOTAL		12	6	0		18

ii. Restricted Electives

A minimum of 3 Units of courses from the following

Course Code	Course Title	L	T	P	U
AXD 302	Agricultural Extension Strategies and Supporting Services	1	0	3	2
ECN 308	Introduction to International Economics	2	1	0	3
AAE 302	Introduction to Farm Management	2	1	0	3
ECN 312	Industrial Economics II	2	1	0	3
ECN 316	Transport Economics	2	1	0	3
ECN 318	Statistical Theory II	2	1	0	3
ECN 320	Introduction to Operational Research	2	1	0	3
ECN 322	Labour Economics II	2	1	0	3
FST 302	Post Harvest Technology	2	0	0	2
ETR 310	Green Economy	2	1	0	3

PART IV – HARMATTAN SEMESTER**i. Core Courses**

Course Code	Course Title	L	T	P	Status	Unit
ETR 401	Special Project I	2	1	0	C	3
ETR 403	Feasibility Studies & Business Plan	2	1	0	C	3
ETR 405	Ethical Issues in Entrepreneurship	2	1	0	C	3
ETR 407	Business Market and Marketing	2	1	0	C	3
ETR 409	Business Financing and Fund Management for Entrepreneurs	2	1	0	C	3
TOTAL		10	5	0		15

ii. Special Elective

At least one Special Elective from any of the Faculties in the University outside of Faculty of Social Sciences.

iii. Restricted Electives

A minimum of 3 Units of courses from the following

Course Code	Course Title	L	T	P	U
ECN 407	Applied Economics Statistics	2	1	0	3
ECN 409	Economics of Human Resource I	2	1	0	3
ECN 411	Theory of International Trade	2	1	0	3
ECN 413	Monetary and Financial Institutions	2	1	0	3
ECN 415	Natural Resources Economics	2	1	0	3
ECN 417	Business Economics I	2	1	0	3
ECN 421	Health Economics I	2	1	0	3
ECN 419	Gender Economics	2	1	0	3
ANS 401	Livestock Feed Production	0	0	3	1
AEC 403	Beef Cattle Management and Practices	0	0	3	1
ANS 407	Processing of Animal Products	0	0	3	1

PART IV – RAIN SEMESTER

i. Core Courses

Course Code	Course Title	L	T	P	Status	Unit
ETR 402	Special Project II	2	1	0	C	3
ETR 404	Entrepreneurship and Consumer Behaviour I	2	1	0	C	3
ETR 406	Technology Entrepreneurship and Intellectual Property Rights	2	1	0	C	3
ETR 408	Comparative Studies in Entrepreneurship in Emerging, Developing and Developed Economies	2	1	0	C	3
ETR 410	Policy and Institutional Framework for SMEs	2	1	0	C	3

Course Code	Course Title	L	T	P	Status	Unit
ETR 412	New Product Planning and Development Process	2	1	0	C	3
TOTAL		12	6	0		18

3.7. SUMMARY

Level	Compulsory	Required/ Restricted	Special Elective	Total
100	24	06	4	34
200	35	06	4	45
200 IT	03	0	0	03
300	30	06	2	38
300 IT	03	0	0	03
400	33	3	2	38
Total	125	21	12	161

A candidate who has satisfactorily completed all requirements for the degree with an overall grade point average of not less than 1.50 shall be awarded the honours degree as indicated below.

DETAILED COURSE CONTENTS

SSC 101. Man in His Social Environment (3 Units)

Concept of sociology. Origin of sociology: concepts in sociology; social institutions, socio-cultural processes – ethnic problems, social changes, social problems. Forms of social structure.

MUS 101. Music as an Art and Science (3 Units)

An enquiry into Music as humanistic expression. The creative genius of man through the ages and in various races and cultures, employing the elementary tools of rhythm, melody, harmony and colour. A non-specialised inquiry into the scientific properties of musical signs (such as frequency and intensity) and their psychological counterparts (such as pitch and volume), and an elementary discussion of musical acoustics.

SSC 111. Introduction to Psychology (3 Units)

Content and scope of psychology, relationship of psychology to other sciences, role of psychology and psychologist in the development process. Students may be required to serve as research subjects.

MUS 111. Rudiments of Music I (3 Units)

Beginning music theory, including notation or rhythms, scales intervals, chords, and general rudiments of music. Study of musical terms and basic musical forms.

MUS 112. Rudiments of Music II (3 Units)

Continuation of MUS III. Diatonic and chromatic intervals in all keys and scales. Inversion of interval. Compound intervals. Triads of the major and minor scales. Primary and secondary chords in all major and minor scales. Inversion of chords. Connection of chords: antecedent and consequent phrases; cadences,

musical terms and abbreviations; simple harmonic analysis and identification of chords; structure of all seventh chords.

HIS 101. Culture and History of Africa to C. 1500 AD (3 Units)

This survey course introduces students to the major landmarks in the development of Africa from the dawn of history to about 1500 A.D. Areas of emphasis include Stone and Iron age developments; ancient civilisation of Egypt, Meroe, Axum and Zimbabwe, Carthage and Roman Africa, the Western Sudanese States and civilisations. States of the Guinea and Equatorial forests; early developments in East Africa and the emergence of the Swahili culture; migrations and cultural developments in Central and Southern Africa.

HIS 102. History of Africa, 1500 – 1800 AD (3 Units)

The course examines the internal and external factors of change in the development of Africa from the coming of the Europeans to the abolition of the slave trade. The reactions of African to, and the political, economic, and social effect of, changes will be examined.

DRA 101. Introduction to Drama and Theatre (3 Units)

An introductory course which explains the functional distinction between 'Theatre' and 'Drama' as theoretical and practical concepts revealing their inter-relatedness.

DRA 102. Drama as Literature (3 Units)

A study of the different conventional dramatic genres (tragedy, comedy, satire, etc) illustrated with simple texts from the classics of contemporary literature.

FAA 101: Introduction to Fine and Applied Arts (3 Units)

Introduction to fundamental concepts in Fine and Applied Arts. Meaning and branches of Art. Purpose/functions of Art. Definition of terms and Art terminologies. Elements and principles of Art.

FAA 102: Art Appreciation (2 Units)

Introduction to basic concepts in art, understanding such concepts (e.g. form and content, visual experience, visual processes and unity of experience) and conceptualisation of ideas, interpretations of forms and contents in formal composition, interpretation of forms and colours.

FAA 103: Introduction to General Drawings (3 Units)

Introduction to various aspects of General drawing, that is, still life, nature, landscape, etc. Exploration of basic principles in in-door and out-door drawing (i.e. perspective, shading techniques, etc), use of drawing materials, tools and studio equipment. Development of skills in drawing using pencil, pen, and ink, conté crayon, pastel, charcoal and brush and wash leading to accurate observation of natural and man-made objects, figures at rest and in action. Emphasis will be placed on quality of line, skill and balanced distribution of light and shade.

SSC 102: Man and the Economic Environment (3 Units)

Nature and scope of economics. Fundamental economic problems. Role of economics in the society, the economic agents and institutions. Economic systems, poverty and wealth of nations, contemporary economic issues.

SER 001: Use of English (2 Units)

Effective communication and writing in English, Language skills, writing of essay answers, Comprehension, Sentence construction, Outlines and paragraphs, Collection and organization of materials and logical presentation, Punctuation.

PHL 201. Introduction to Logic I (3 Units)

A general introduction to logic and its principles, with emphasis on clarity of thought and expression. Arguments as providing reasons for conclusions. Deduction and induction as processes or reasoning. Formal and informal fallacies, propositional logic, truth and validity, proof by means of truth table and reduction *ad absurdum*. Predicate calculus.

SSC 103. Man's Environment Relations (3 Units)

The influence of the environment on man's economic, social and cultural patterns. Human ecology and man's utilisation of environmental resources. Environmental deterioration resulting from the impact of man. The effects of population growth, economic and social policies, political activities and modern technology on environmental deterioration.

SSC 104. The Governing of Man (3 Units)

The concept of politics and political science. Introduction to organisation and operation of modern government. Forms and types of government. The principles of modern government, rule of law, theory of separation of powers, making execution and control of public policy. Citizen and the state (duties, obligation and responsibilities).

SSC 105. Mathematics for Social Scientists I (3 Units)

Mathematical concepts in the Social Sciences. Set Theory. Revision of elementary Algebra: equations and identities; equation in one or two variables; simultaneous equations; quadratic equations; the remainder theory, partial fractions, surds, indices and logarithms. Sequences and series: the arithmetic progression and geometric. Summation of series. Convergence of series. Permutation, Combination, the Binominal theorem. Co-ordinate geometry of a straight line. Intersection of the straight lines, plotting of curves, computation of distances and areas by co-ordinates. Basic trigonometry.

SSC 106. Mathematics for Social Scientists II (3 Units)

Introduction to Matrix Algebra: addition, multiplication and inversion of matrices. Determinants, simultaneous solution of equation by matrix and determinant methods. Eigen values and Eigen vectors. Differentiation of functions of one variables; derivatives of standard functions, rate of change and limits. Maxims and minima, point of inflexion, partial derivatives.

Unconstrained optimisation. Integration of functions of one variable; standard integrals. First order differential equations.

SSC 107. Man's Physical Environment (3 units)

The concept of the earth's surface as the home of man. Atmosphere and atmospheric processes. Hydrosphere and hydrological cycle. The lithosphere and the processes of sculpturing the earth. The earth's surface in natural history. The current environment concern.

SSC 112. Foundation of Psychology (3 Units)

Sources of psychological information, research literature, experimental data, field and observational studies, location and interpretation of psychological information. Nomenclature in psychology, organisation of brief psychological reports.

ETR 101. Introduction to Entrepreneurship (3 Units)

Who an entrepreneur is. Basic concepts in Entrepreneurship. Indigenous Entrepreneurial Practices. History of Entrepreneurship with particular reference to Nigeria economy. The entrepreneurship/self employment process. Personal entrepreneurial characteristics (PECs). Relationship between entrepreneurship and management. Entrepreneurship as a process in SMEs and big enterprises (corporate entrepreneurship) Nigerian business environment. Forms of business organization. Location and localisation of industry in Nigeria

ETR 102: Introduction to Industrial Extension and Business Development Services (3 Units)

Introduction to the concept of industrial extension services. The practice of industrial extension services. Range and scope of industrial extension services. Professionalism and ethics in industrial extension. SME development institutions. Identifying the need for change and engendering the change.

ETR 201. Principles and Theories of Entrepreneurship (3 Units)

Schools of thoughts in Entrepreneurship – Cantilon on entrepreneurship; The classical school led e.g. by Richardo and Jean-Baptist, Walras, Keynes etc). Entrepreneurship in Britain, France, Germany, USA and Japan. Fundamental theories in entrepreneurship (opportunity recognition, etc). Variants of entrepreneurship (corporate/intrapreneurship, student entrepreneurship, social entrepreneurship, technology entrepreneurship, women entrepreneurship, academic entrepreneurship, rural entrepreneurship).

SSC 201. Statistical Methods & Sources I (3 Units)

The nature of statistical methods: frequency distribution, measures of central tendency (mean, mode, etc), measures of dispersion (range, variance, standard deviation). Elementary probability theory. Binomial, Normal and Poisson distribution.

DSS 201. Population Theories and Patterns (3 Units)

History of world population growth. Paleolithic to early historic period, population of the ancient to modern times, population growth in the modern period. Introduction to population theories. The development of population theories – the ancient and medieval writings. The Malthusian population theory. The Classical and Neo-classical schools of economics and population theory. Socialists and Marxist writings. Early socialists, Karl Marx, Engels, Post

Marxian Socialists. The vital revolution in the West. Mortality and Fertility trends and natural increase. Demographic changes in developing countries. The Nigerian Population Scheme.

FST 201. Introduction to Food Science (2 Units)

Man and his food: past and present. Composition of foods: protein, starch, sugar, fat, vitamins, minerals and food enzymes. Food spoilage. Principles of food preservation – sun drying, artificial drying, smoking, canning, cold storage, chemical preserves. Bread-making and confectionery. Milk and dairy products. Nutritional background to food consumption.

GPY 201. Introduction to Social Geography (3 Units)

The scope of social geography. Principles and patterns of world population. Population growth and components. Concepts in social geography. Rural systems. Urban agglomeration in social systems. Processes and pattern in social geography. Nigerian population structure, distribution pattern and their implication.

ACC 101. Introduction to Accounting I (3 Units)

History and development of accounting. Definition of accounting and the basic accounting terms, e.g. assets, liabilities, capital, purchases, sales, drawing and ledger. Accounting concepts and conventions, e.g. entity, historical cost, the going concern, the realisation, the matching/accrual, periodicity, consistency, substance over form, materiality and objectivity. The users and the uses of accounting information. Classification of account.

ACC 102. Introduction to Accounting II (3 Units)

Extraction of trial balance. Adjustment before final accounts, e.g. capital and revenue expenditures, capital and revenue incomes, bad debts, provision of bad debts, provision for discounts on debtors. Depreciation of fixed assets, errors

affecting the trial balance agreement. Suspense accounts and correction of errors, other adjustments (closing stocks). Bank reconciliation, self-balancing ledger and control accounts. Final accounts of a sole trader.

ACC 103. Introduction to Business (3 Units)

The scope of business, character of business from social, legal and economic perspective. Forms of ownership, organisation and management. The social responsibility of business and business environment, functions (planning, coordinating, communicating, etc). Review of management theories.

ACC 104. Introduction to Business II (3 Units)

Feasibility study, elements of management (marketing – price, product, promotion, and place; production and personnel – recruitment, training, job evaluation, collective bargaining, trade union etc). Management by objective, delegation, responsibility, authority, power, leadership and management by exception.

POL 201. Political Inquiry and Analysis (3 Units)

Organisation of research in political science. Research strategies and types of research – Historical, descriptive, experimental, etc. Tools of research – sampling, questionnaire, interview, content analysis, etc. Statistics as a tool of research, analysis, interpretation and report writing.

PSY 201. General Psychology I (3 Units)

An introduction to major areas of psychology including the history, philosophical antecedents and development of the discipline. Psychology as a science. The biological foundations of behaviour, states of consciousness. Learning theory and cognitive processes. Intelligence, Language and thought, human development, motivation, emotion and human sexuality.

SOC 201. Introduction to Sociology I (3 Units)

Sociology as a social science; the birth of Sociology, founding fathers and the history of Sociology. The Sociological perspectives of society. Social interaction and social relations as elementary forms of social life. Groups, normative system, and culture. Social institutions. Complex organizations.

ETR 202. Principles and Practice of Industrial Extension Services (3 Units)

Overview of Industrial extension services (business development services). Significance of Industrial Extension Services; Need analysis. Linking research institutes and industries; Approaches to in-plant counseling. Business counseling process and change. The business counselor/client relationship. Business counseling and interpersonal skills. Communication and Report writing. Counseling in specific business areas (cottage, micro, small, medium, and large enterprises). Counseling methods and techniques. Professionalism and ethics in business counseling.

SSC 202. Statistical Methods & Sources II (3 Units)

Tests of hypothesis: small sample Test (t-Test, χ^2 test, and F-test). Time series analysis. Regression analysis, Index numbers, Analysis of variance, Sources of Statistical data in Nigeria.

DSS 202. Demographic Concepts and Characteristics (3 Units)

Migration concepts. Internal migration (rural-rural, rural-urban, urban-rural, urban-urban). International migration. Volume of migration. Age-sex selectivity in migration. Urbanisation concepts: historical trends and contemporary patterns in developing countries. Labour-Force concepts. The development of Labour force concepts. Basic concepts and definition; problems of definition and those relating to specific groups-unpaid family worker, marginal worker, unemployed person etc, economically active and inactive

population, manpower, employment, unemployment and underemployment, employment in the major sectors of the economy.

POL 202: Nigerian Constitutional Development and Politics (3 Units)

The establishment of colonial political order – indirect rule and the Nigerian Council of 1914, the Clifford Constitution, Richard Constitution, Macpherson's Constitution, Lyttleton Constitution. The Constitutional Conferences – the 1960 Nigerian Independence Constitution, the Military Decrees, 1979 and 1999 Constitutions.

PSY 202: General Psychology II (3 Units)

Theories and assessment of personality. Stress and coping, abnormal behaviour and their treatment, social psychology, basic notions of applied psychology including psychology and the law, communication, consumer behaviour, industrial psychology and environmental psychology.

SOC 202: Introduction to Sociology II (3 Units)

Methods of doing research, the relationship between the Methodological and Theoretical perspectives in Sociology. The basic theoretical assumptions in research methods, positivism e.t.c. Introduction to Sociological theories, Social problems and welfare. Uses of Sociology and careers for Sociologists.

ETR 203: Entrepreneurial Economics I (3 Units)

The nature, scope and methodology of entrepreneurial economics. Basic problems of entrepreneurial economics (how to produce, what to produce, and for whom to produce; and organisation of resources). The theory of demand and supply. Elasticity. Theories of consumer behaviour, production, cost as well as revenue. Theory of the firm – (pure completion, pure monopoly, monopolistic competition, oligopoly)

DRA 203. African Drama and Theatre: The Colonial Era (3 Units)

A study in indigenous theatrical activity in Africa as it was based in churches, concert party, minstrelsy, and pop songs groups, from its beginning to 1960.

ACC 203. Introduction to Cost Accounting I (3 Units)

Definition, nature, purpose and scope of cost accounting. Cost classification, coding and cost behaviour. Elements of cost (materials classification and documentation); pricing of issues (FIFO, LIFO, etc); stock control and stock taking. Cost accounting for labour administration and labour cost computation. Cost accounting for overheads (definition, classification, analysis, absorption and activity-based costing).

ACC 205. Introduction to Financial Management I (3 Units)

The nature, scope and purpose of financial management. Understanding various forms and structures of business organisation (sole proprietorship, partnership, limited liability companies, private and public. Objectives of the firms, scope of finance functions and sources of business financing. Introduction to financial markets (nature of financial market, money market, capital market, stock market operations, and other institutions in the stock market). An overview of financial ratios.

ETR 204. Entrepreneurial Economics II (3 Units)

The application of macro-economic theories to the problems of developing countries particularly as they relate to issues of poverty, income distribution, employment, under employment and unemployment, problems of growth and development, trade and development, balance of payments problems and commercial policy. Economics of Aids and private foreign investment; global interdependence and the international economic order. Market structure (perfect and imperfect markets). Theory of producer behaviour (internal and external economies of scale). National income (Methods, Circular flow of

income, Multiplier effects). Entrepreneur and the macro economy (inflation, interest rate, exchange rate, unemployment). Economic theories for entrepreneurship.

GPY 204. Introduction to Geomorphology (3 Units)

Definition and scope of geomorphology. Methods in geomorphology. Geomorphology as a scientific discipline. Rocks and primary landforms. Rocks and their composition, structure and mode of formation. Processes in geomorphology (endogenetics processes, tectonic forces and primary landforms), exogenetic/denudational processes; weathering, mass wasting, fluvial processes – flow velocity, sediment transport. Open channel flow. Drainage pattern; Stream ordering; Stream capture; Aeolian processes and landforms; Glaciation and landforms.

ETR 205. Record keeping and Accounting for Entrepreneur (3 Units)

Perspective of Accounting I: – users of accounting information; accounting scope and functions; Perspectives of Account II: accounting concept and convention; accounting system for different business organisations.. Double entry system and principles and application. Different types of Journal and Ledger. Cash book. Book keeping to Trial Balance. Preparation of final account for sole trade. Preparation of final account for sole trade; Depreciation, Imprest system, valuation of goodwill, stocks, etc). Bank Reconciliation.

ETR 206. Industrial Project Analysis and Management (3 Units)

Principles of Project Management (integration, scope, quality, risk and procurement). Estimation of potential demand and production. Cash budget/flow and investment criteria. Shadow pricing, sensitivity analysis, appraisal of development projects. Control systems and techniques. Progress monitoring and reporting systems. Linear programming, Programme Evaluation and Review Techniques (PERT), Critical Path Method (CPM) and other

Scheduling Techniques. ICT and project analysis and management. Elements of environmental impact assessment.

ETR 207: Introduction to Entrepreneurial Ventures (3 units)

The nature and scope of inventory management. Material management. Waiting line management. Waiting line theory. Scheduling. Supply chain management. Production management. Production methods. Production planning and control (inventory). Workshop organisation (plant layout, maintenance and development). Scheduling (Work study). Total quality management (TQM). Material storage and handling. Material resources planning. Decision making and theories (certainty, probabilistic, uncertainty).

ETR 208: Cooperative Societies System (3 Units)

Origin of cooperative systems – traditional/indigenous system. Cooperative movements in Europe, United States of America, and Canada. Evolution of modern cooperative system in Nigeria (1935 till dates). Cooperative laws and bye-laws. Forming and operationalising a cooperative society – stages in the formation, management of the society including fund administration. Institutional support for the development of cooperative societies. Challenges of cooperative societies.

ETR 210: Social Entrepreneurship and Community Development (3 units)

This course explores the innovative concepts, practices and strategies related to Social Entrepreneurship. It attempts to instill social entrepreneurial attitude by challenging students' current thinking and assumptions about what works and why and how to fix identified needs in the community. The essence is to enable students' think of ways of creating social ventures and organizations that will address environmental issues, politics, crime, poverty, diseases and violence in the society.

ETR 212: Business Communication Skills (3 units)

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 Antonym Dynamism in Words, and Predication, Suffixation, Sentences/Figurative Expression. 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.

ETR 301: Gender Perspective in Entrepreneurship (3 Units)

Theories in Gender studies; Gender issues and business development; Gender and Human Rights; Child labour, Human Trafficking, Youth empowerment, Gender mainstreaming, Understanding how men and women experience their entrepreneurship and handle gender structures, Mompreneurs, Invisibility of women's entrepreneurship, Home-based entrepreneurship, Theories in gender studies; Gender issues and business development; Youth empowerment.

Gendering the discourse on entrepreneurship. Mompreneurs. Home-based entrepreneurship

FST 301. Processing of Food Commodities (2 units)

Chemical composition and nutritional values, processing, preservation and storage of fruits and vegetables, cereal, edible oils, meat, egg, fish, milk and milk products.

CPP 301. Agronomy of Arable Crops (3 Units)

Crop environment; culture cultivation and improvement of cereals, legumes, root crops, fibre crops, and other important annual crops in Nigeria.

AXD 301. Extension Teaching/Learning Process and Methods (3 Units)

Meaning, philosophy, scope, process and principles of extension; Major concepts in extension such as administration, leadership, motivation, and sustainability; History of Extension in Nigeria; Planning and evaluation of extension programmes i.e. the need for principle of, process of, steps in planning, annual plan of work and calendar of work, and evaluation of extension programme; Communication in extension: Meaning, nature, and elements of communication process, principle of communication, and application of communication problems in analyzing communication problems in extension; Extension teaching methods; meaning, classification and discussion of examples from different classes, indigenous extension teaching methods; Extension as an educational process: the meaning of the concepts of teaching, learning and motivation, steps in teaching, learning, and principle of teaching and learning, teaching of and learning by adults; Audio-visuals aids for extension teaching: purpose of visual aids, preparation of audio-visual aids and presentation of teaching aids;

Practical: Role play, visits to Ministry of Agriculture, Villages, Design, preparation and utilization of audio-visual aids, preparation and use of media resources and report writing.

AXD 302: Agricultural Extension Strategies and Supporting Services (2 Units)

Farm family extension: Meaning/Definition, problems and importance of gender, status-role of farm family units (e.g. Youth/Children, Men and Women) in extension; Definition, types and importance of local groups and local leaders in extension Programme; Extension supporting institutions: Research-Extension-Farmer-Input Liaison-Services (REFILS), Research Institutes, Agricultural Development Programme (ADP), Credit Institutions: Banks and Credit Co operations, Input supply companies, Agro-allied industries, and Non-governmental Organizations (NGOs) and Community Based Organization (CBO); Extension and Rural Development Strategies in Nigeria.

Practicals: Techniques of packaging agricultural innovations for farmers-voicing script writing, Agricultural news preparation and presentation.

ETR 302: Research Methodology in Entrepreneurship and Development Studies (3 Units)

Overview of research and its methodologies (concepts of research need for research, types of research; and steps in conducting research). Literature review (what, why, and how), with due emphasis on theoretical/conceptual framework. Selecting and defining a research problem (problem formulation, criteria for selecting a problem, identifying variables, evaluating problems, and functions of a hypothesis). Research design (types). Sampling and sampling techniques. Data collection and analysis methods. Report writing.

FST 302: Post Harvest Technology (2 Units)

Classification of agricultural products. Raw products maturity evaluation. Harvesting techniques and post-harvest practices – washing, sorting, cooling, post-harvest loss prevention methods. Waste disposal and by-products utilisation. Technical details, economic consideration and maintenance of food stores. Packaging of fresh produce. Low temperature systems.

AAE 302: Introduction to Farm Management (3 Units)

Nature and scope of farm management, management functions in traditional agriculture, organisation of the farm set-up, farm records and accounting, farm business analysis, capital budgeting, farm and enterprise budgeting, farm decisions and long term investment, linear programming (maximization). Analysis of various food crops interplanted with cocoa: reason for interplanting; density of interplanted food crops: cost and returns in agro forestry. Evaluation of alternative technologies in livestock production.

AAE 303: Principles of Agricultural Economics (2 Units)

Theories of production (resource allocation), consumer behaviour and price determination with emphasis on agriculture.

ETR 303: Fundamentals of Business Start-up and Development (3 Units)

Pre-conditions for business start-up (sourcing for financing, machine, appropriate tech etc). Key success factors in business {(motivation and determination, ability, idea, and resources (MAIR))}. Registration of business (legal aspect). Market opportunity. Business and the law. The basics of intellectual property (IP). Business and finance. Elements of business planning. Assistance institutions for SMEs. Definition and classification of small business, entrepreneurial SMEs and big enterprises. Characteristics of Small and Medium Scale Enterprises for a self-reliant economy. SMEs and (a) planning system, (b) SMEs and the Nigeria's economic vision, small business and entrepreneurship.

Legal issues in small business management. Problems of small business management in Nigeria, enabling environment

ETR 304. Creativity and Innovation (3 Units)

Creativity and innovation. Principles, nature and types of Creative thinking. Creative problem solving techniques. Innovation strategies and Collective thinking. Developing creativity. Getting creative and staying there. Humour and the creative process. Characteristics of creative individuals. Creative thinking principles. Benefits of brainstorming. Adaptive creativity technique. Brainstorming technique. Guilford/Torrance amplifiers. Idea validation technique. Definition of Innovation. Basic concepts of innovation. Characteristics of innovation. Factors affecting innovation. Strategies for managing innovation. Classification of innovation. Innovation theory. The importance of innovation. Innovative capability. Techniques of innovative environment.

ETR 305. Role Model and Mentoring (3 Units)

Definition, nature and significance of mentoring and role model as a tool for developing entrepreneurial competences. Nature, roles and outcomes of mentoring in promoting entrepreneurial competences. Mentoring process. Developing and managing mentor/mentee relationship. Developing planning and organising mentoring programmes. Entrepreneurial talk by seasoned industrialists. Attachment to mentors (SIWES). *(Successful entrepreneurs will be invited to give symposium/seminar/lecture on their business experiences or in the area of operation, aspects of starting a new venture, selecting a promising idea, initiating enterprises, opportunities and obtaining initial finance).*

ETR 306. ICT Application in Entrepreneurship (3 Units)

Introduction to Information and Communication Technology (ICT). Progress in ICT. ICT Applications for SMEs operations (electronic commerce, introduction,

one-on-one media in the interactive age. Maintaining a marketer orientation in the interactive age. Consumer-focused strategies and tactics on the internet. Impact of the internet system on marketing policies and strategies, interactive marketing communications, e-commerce activities, supply chain management, measuring the effectiveness of electronic marketing, syndicated electronic marketing research. Selling on the internet. Difference between internet marketing and brick- and - mortal marketing, hazards of electronic marketing. Electronic marketing in Nigeria. ICT and industrial extension. The future of electronic marketing.

ETR 307: Human Capital and Organisation Management (3 Units)

The concept of human capital management. Role and function of human capital manager. Job analysis – description and specification. Recruitment, selection and placement of staff. Rewards and discipline. Performance appraisal. Manpower planning. Training and Development. Managing workers for peak performance (motivation, innovation, leadership). Strategic management (planning, decision making, policy, vision and objectives). Models of HRM. Policy of goals of HRM. How HRM impacts on organisational performance. Human capital measurement. Issues in international HRM. International organisational models.

FST 307: Food Process Technology I (1 Unit)

Preparatory operations; Conversion operations (size reduction, mixing, emulsification); Water process (water boiler)

ETR 308: Commercial Law (3 Units)

Engaging in contract. Agency and Hire Purchase (definition, authority of agent, duties of principal and duties of an agent, termination of agency relationship, definition of hire purchase, distinctions of hire purchase and credit sale transactions, hire purchase agreement, effect of hire purchase on common

position, conditions and warranties, and termination of hire purchase).

Intellectual Property (Patent and design, copyright, trade mark). Sales of Goods (what are goods; transfer of property, risk and title; merchantability and other implied express terms in a contract of sale). Banking – negotiable instruments (bill of exchange, negotiable instruments, cheques, promissory notes, etc).

Insurance (what, types, formation, basic properties).

ECN 308. Introduction to International Economics (3 Units)

Introduction to the theory of trade and international presentation of various theories of international, foreign trade protection, economic integration, balance of payments, foreign and capital flows, the uses of international economics in explaining contemporary international relations and diplomacy.

ETR 309. Industrial Extension Strategy I – Service Delivery Methodologies (3 Units)

The purpose of industrial extension services (IES). History and progress in IES. Nature, form and applications of IES. In-plant visits: purpose, issues and implementation. Strategies for harvesting progress in latest technologies and best practices in both engineering and business management – Linkages with IPPTO and National Office of Technology Acquisition and Promotion (NOTAP). Business Resource Centre as a source of extension information. Managing and packaging messages for extension. Extension records. Procedure for in-plant visitation. Sourcing innovation and innovative ideas for industrial development. Lean enterprise principles in IES. (*This course require in-plant visit to industry*)

ETR 310. Green Economy (3 Units)

Introduction to Green economy –rationale, concepts and principles. Enabling conditions for advancing a green economy. Greening the economy – sectoral strategies. Developing a balanced and inclusive green economy. International developments and supports to advance a green economy. Elements of Ecology,

to include biodiversity and ecosystem services. Carbon management. Features of sustainability science. Green technology, renewable energy and transportation. Clean development mechanism (CDM).

ETR 311. Fundamentals and Application of ERP4School (2 Units)

Overview of Business Functions and Business Processes. Overview of the Development of Enterprise Resource Planning (ERP) System. General Basic of SAP-System. Purchasing Process. Sales and Distribution Process. Purchasing, Sales and Distribution with Conditions. Purchasing Process with Material Requirements Planning (MRP). *Students are required to undergo 12 hours of supervised practical sessions.*

ECN 311. Industrial Economics 1 (3 Units)

Industrial structure and market conduct. Growth diversification, innovation and merger activity. Investment decisions. Pricing and marketing. Determinants and measures of business performance. Location of industry. Theoretical basis for government intervention in the industrial sector.

ETR 312. Industrial Extension Strategy II – Managing the Government – Private Sector Interface (3 Units)

Overview of Government policies on industrial development. Practices and operations in the relevant Government ministries and parastatals. The operators and practices in the private sector. Identifying and describing the Government–Private sector interface. Partnering for development. The Public–Private–Partnership (PPP) Approach. Managing conflicts in the Government–Private sector interface. Non–governmental organisations (NGOs) and the Private Industrialists.

ECN 312. Industrial Economics 11 (3 Units)

The case for industrialisation. The industrial environment of Nigeria, the growth and structural changes in manufacturing industries. Market structure and conduct of selected manufacturing industries. Private and public enterprises in industrial development. The financing and ownership of industrial projects. Location of industry and distribution of industries. Performance of the industrial sector. Government intervention in the industrial sector.

GPY 313. Location of Service Centres (2 Units)

Conceptual framework – central place concept, neighbourhood unit concept. The need to plan location of service centre. Social, political, economic, and spatial factors in the location of service centres. Planning location and patronage of selected service centres. Role of market systems in regional development. Management of public service centres.

PSY 315. Organisational and Industrial Behaviour 1 (3 Units)

An exploration of various application of psychology to man's organisational behaviour and personnel selection with special emphasis on industry. Typical subject for discussion: work environment, reward structures, training and counselling, problems of change and transition, advertising and marketing, human engineering, administrative process, organisational communication.

ECN 316. Transport Economics (3 Units)

Transport economics as a speciality. Characteristics of the transport infrastructure. Demand for transport. Transport costs. Transport pricing. Economics coordination of transport modes. The theory of transport and development. The nature and implication of urban transport problems. The empirical relevance of the role of transport. The goal of investment policy in transport. Transport planning and development in Nigeria.

ECN 318. Statistical Theory 11 (3 Units)

Estimation (point and intervals); efficiency and sufficiency of estimators. Maximum likelihood estimator. Tests of hypothesis; likelihood test ratio; goodness of fit test; contingency tables; regression analysis.

ECN 320. Introduction to Operational Research (3 Units)

Linear programming (LP) – formulation of LP problems and solution using the graphical method only. Transportation problem. Assignment problem, inventory models–deterministic only. Network analysis. Critical Path Method (CPM) and Programme Evaluation and Review Technique (PERT).

ECN 322. Labour Economics 11 (3 Units)

Labour problem in less developed countries. Unemployment. The Nigerian Labour Market. Labour mobility and migration. Labour market institution. Collective bargaining. Manpower policy. Manpower planning.

ETR 401. Special Project I (3 Units)

Candidates will be required to choose a topic of their choice in any area of business development under the guidance of their supervisor. They will be expected to conduct and report research in the area using the most appropriate tools and technique. At the end of the course in the first semester, they will be expected to present the first three chapters of their long essay including the aim and objectives of the study, literature review and their study methodology.

ANS 401. Livestock Feed Production (1 Unit)

Nutrient categories. Functions and requirements. Identification and classification of livestock, feed ingredient (conventional and non-conventional); livestock diet formulation; the feedmill and equipment; livestock feed manufacturing, processing and storage.

ETR 402. Special Project II (3 Units)

This is a continuation of ETR 401. At the end of the Semester, candidates will be expected to submit a full report of their studies. This will be graded by the supervisor and an appointed second assessor. Also, candidates will be expected to make a 10minutes presentation of the results of their study to the Board of Examiners.

ETR 403. Feasibility Studies and Business Plan in Entrepreneurship (3 Units)

The contents of a feasibility report; Preparation of feasibility studies. The objective and scope of feasibility studies. Uses of feasibility studies. Description of the project. Description of business location. Operational plan. Demand and supply outlook. Management and manpower management. The administrative expenses. Production cost. Capital project cost. Owners' equity, working capital, marketing strategy, general project appraisal. Students are required to pick a business of their choice and carry out feasibility for the business. Financial information needs. Information needs. Internet as a resource tool for business plan. Writing the business plan: introductory page, executive summary, environmental and industry analysis, description of venture, production plan, operations plan, marketing plan, organizational plan, and assessment of risk, financial plan, and appendix. Using and implementing the business plan. Measuring plan progress. Updating the plan. Why businesses fail and Business plan failure. Students are required to pick a business of their choice and write a business plan for it.

AEC 403. Beef Cattle Management and Practices (1 Unit)

Orphan calf care, implanting, sorting, castration, weighing, weaning and identification. Moving cattle, heat detection, artificial insemination, estrus synchronisation, pregnancy examination, normal and abnormal calving. Neonatal care. Stomach tubing, deworming, blousing and drenching. Control of parasites and foot rot, hoof trimming, loading and transporting.

ETR 404. Entrepreneurship and Consumer Behaviour (3 Units)

A purview of business and its environment. Various types of market configuration, philosophy and concept in market environment. Meaning, approaches and models of consumer's and entrepreneur's behaviours. The consumer buying situations. The consumer decisions making process. The factors (determinants) affecting consumers decision and behaviour in the market place. Producers and resellers market – the participants, decision making process, and influences.

ETR 405. Ethical Issues in Entrepreneurship (3 Units)

Introduction to business regulation and control. Business regulation processes. Choosing a business name. Choosing a business form. Functions of Corporate Affairs Commission. Taxation issues. NAFDAC, Standard Organisation of Nigeria (SON), economy. Ethical regulations. Regulatory bodies on banking and finance. Environmental issues. Impact assessment of management decisions on environment.

ETR 406. Technology Entrepreneurship and Intellectual Property Rights (3 Units)

This course seeks to demystify technological entrepreneurship by dwelling on the creative process essential for developing high-tech ventures. An overview of the field of entrepreneurial theory and practice for development and growth of technology-based new enterprises will be undertaken. Key strategic decisions investors and scientists take at each stage in the chain will be discussed. It will also define what an intellectual property is and how it is protected; discusses the Nigerian copyrights laws; and explore how to protect ideas, concepts and products as well as enterprise from piracy.

ETR 407: Business Market and Marketing (3 Units)

Definition of market and marketing. Identifying your market. Importance of business market. The nature and types of market. Techniques of market research. Market segmentation. Product differentiation. Marketing strategies. Marketing mix (5 Ps). Marketing plan. Salesmanship. Customer service and satisfaction. Definition of Market and marketing, Marketing Philosophies, The Nature and Types of market, Idea Generation – Internal and external sources, Techniques of Market research, Market segmentation, Product differentiation, Marketing strategies and marketing mix, Product life Cycle (PLC) and applicable strategies, Market plan development and implementation, Product pricing , Customer service and Satisfaction.

ECN 407: Applied Economics Statistics (3 Units)

Sample survey design. Data collection in Nigeria. Index numbers. Time series analysis. Tests of hypothesis, some parametric and non-parametric tests. Applications to economic hypotheses. Experimental design, analysis of variance, analysis of covariance. Statistical quality control, essence of quality control in industries, types of variation in quality, control charts for variables, control attributes. Statistical decision; the structure and solution of single-stage decision problems.

ANS: 407: Processing of Animal Products (1 Unit)

Whole meat processing – curing, smoking, drying and refrigeration. Commercial meat processing, ground meat, corned beef and sausages. Processing of offals – tripe, legs, skin. Egg quality assessment – candling, Haugh's unit and egg shell thickness. Milk quality assessment – milk fat, total solids, non-fat solid, flavour, milk processing and storage. External features of live animals (cattle, sheep, goats, pigs, poultry, and rabbits) and their appraisal. Ante-mortem inspection, slaughtering technique and equipment and post-mortem inspection. Dressing methods and equipment, gut removal and

production of sausage casings. Carcass quality and yield grading, primal and retail cuts of the different species of animals.

ETR 408. Comparative Studies in Entrepreneurship in Emerging, Developing and Developed Economies (3 Units)

Background to entrepreneurship development in selected countries. Objectives of entrepreneurship development in selected countries. Approaches to entrepreneurship development Case Studies of Business in selected countries. Entrepreneurship development programme and policies Case Studies of Business in selected countries. Developing, implementing and monitoring entrepreneurship programme. Doing business in selected countries. Case Studies of Business in SE Asia, Europe and America.

ETR 409. Business Financing and Fund Management for Entrepreneurs (3 Units)

Fund requirement of a business; Sources of finance for SMEs in Nigeria – informal/formal; Internal/External; Accessing and uses of fund from the sources; The working capital of a business cycle; Management of working capital in a business; Financial Planning; Break-Even Analyses; Profit assessment and determination.

ECN 409. Economics of Human Resource I (3 Units)

Concepts – human capital, returns on investment in human capital. Introductory resource management review and application of resource allocation theory to the problem of investment in human capital. Investment in human capital choice between capital investment in human capital and in physical capital, the process of human capital accumulation determinants of human capital accumulation. Investment in education – social and private costs and returns to education.

ETR 410: Policy and Institutional Framework for SMEs (3 Units)

Definition of Small and Medium Enterprises (SMEs) concept. Role of SMEs in Socio-Economic Development in Nigeria. SMEs as a management tool in economic development. Policies aimed at the transformation of SMEs. Nigerian Government's SME policies and frameworks for effective private sector collaboration. Past and present developmental programmes for SMEs. Review of Nigerian Government's mechanisms, practices and institutions that engage in collaborative actions for delivering products and services to SMEs. Nigeria's examples of engaging the private sector to promote SME development through policies for effective financing, marketing and business development strategies. Corporate Affairs Commission. Taxation issues. NAFDAC, Standard Organisation of Nigeria (SON). Small/and Medium Scale Enterprise Development Agency of Nigeria (SMEDAN).

ECN 411. Theory of International Trade (3 Units)

Overview of International Economy. Theory of Comparative Advantage. The gains from trade. Production Function in International Trade. The Heckscher-Ohlin Trade Model. The Leontief Paradox. The welfares effects of International Trade. Growth and development of dynamics factors in International Trade. Growth and development theory of Trade and Policy.

ACC 411. Operations Research I (3 units)

Basic introduction (definition, stages and relevance of operations research). Linear programming (meaning, assumptions, methods – graphic and simplex, and interpretations). Transportation model, queuing model, mark or process, simulation, inventory and production control and network analysis. Assignment techniques, game theory and conflict resolution, forecasting techniques.

ETR 412: New Product Planning and Development Process (3 Units)

New Product Development – Process, Servicing, Test Marketing, Commercialization, Sources of Raw materials and Sustaining Technology, Estimation of Potential Demand and Output, Planning Product Development, Programme Resource Costing and Dr Sensitivity Analysis, Progress Monitoring and Reporting Systems, Product Development. Test Marketing, Commercialisation and Product Maturity, Concept of product Life Cycle and Associated Managerial decisions.

ECN 413: Monetary and Financial Institutions (3 Units)

Money and a money economy. The structure and business of Commercial Banks. Comparative banking (United Kingdom, United States). Nigerian Banking System. The West African Currency Board. Nigerian Central Bank. Financial intermediaries. Money and capital markets. International monetary institutions.

ECN 415: Natural Resources Economics (3 Units)

The Economics of Natural Resources – availability, exploitation and use, pricing, etc with particular reference to Nigeria's resources. Some of the areas to be covered include energy economies including petroleum economies, Rural Energy System. Solid minerals, emphasis will also be given to the economies of depletable (non-renewable) resources and their optimal depletion/pricing.

ECN 417: Business Economics I (3 Units)

Definition and scope of business economics. Decision making under risk and uncertainty. Decision tree analysis. Demand estimation and forecasting. The attribute approach to consumer choice. Alternative business objectives. The internal organisation of firms. Portfolio matrices and corporate strategy.

ECN 419: Gender Economics (3 Units)

Concepts and perspective on gender. Engendering economic activities. Gender budgeting. Gender in economic policy formulation. Gender and development. Gender and social policies.

ECN 421: Health Economics I (3 Units)

Importance of Health economics. The uniqueness of health care. Demand for health, demand for health capital, production of health, agency problem in health care, health care and advertising. Uncertainty in health care.

