

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



**FACULTY OF SOCIAL SCIENCES**

**DEPARTMENT OF GEOGRAPHY**

**HANDBOOK**

## **ADDRESS:**

### **THE UNIVERSITY:**

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Abuja, Nigeria**

**Visitor and Principal Officers of the University**

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**Head of State and Commander-in-Chief of the Armed Forces of the Federal Republic of Nigeria**

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**D. Litt. (Honoris causa) (Ife), D. E. L. (The Etsu of Nupe)**

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**B. A. (Hons) Philosophy, D. I. R.; M. Sc. (Inter-Rel) (Ife), AMIM, MAUA, MIAAP, MANUPA**

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**Dr. Femi Z. Oguntuase**

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(FUTA) CLN**

**BURSAR**

**(Mrs. J. A. Akeredolu**

**B.Sc. Accounting (Ife) MBA (Ife) ACA AICPA NMIM**

## OFFICERS OF THE FACULTY

**Dean:** Professor M. A. O. Aluko  
B.Sc. (Ibadan), M.Sc. Ph.D. (Ife)

**Vice-Dean:** Dr. M. O. Olawole  
B.Sc. M.Sc. Ph.D. (Ife)

### *Office of the Dean*

Mrs. Ajayi	Deputy Registrar
Mr. K. S. Fasanmoye	Principal Asst. Registrar
Mrs. F. R. Oduwole	Chief Confidential Secretary
Mr. A. O. Owolabi	Administrative Officer II
Mr. N. A. Oni	Senior Executive Officer

## LIST OF DEPARTMENTAL STAFF AND AREAS OF SPECIALIZATION ACADEMIC STAFF

Name	Qualification	Status	Specialization	Room
OGUNKOYA, O.O.	B.Sc.,(Lagos),Ph.D.(Ife)	Professor	Water Resources, RS & GIS	
ADESINA, F.A. Ph.D.(Salford)	B.Sc.,M.Sc.,(Ife), Ph.D.(Salford)	Professor	Biogeography, RS & GIS	
AGUDA, A.S. Ph.D. (Ife)	B.Sc.,(UNN),M.Sc., Ph.D. (Ife)	Professor Planning, GIS	Urban and Regional	
ODEKUNLE, T.O.	B.Sc.,M.Sc.,Ph.D.(Ife)	Professor	Climatology	
ADEDIJI, A.	B.Sc.,M.Sc.,Ph.D.(Ife)	Professor	Geomorphology	
AJALA, O.A.	B.Sc.,M.Sc.,Ph.D.(Ife)	Professor	Urban and Regional Planning.	
ORIMOOGUNJE, O.O.I.	B.Sc.,M.Sc.,Ph.D.(Ife)	Reader	Biogeography & Remote Sensing	
BABATIMEHIN O.I.	B.Sc.,M.Sc.,Ph.D. (Ibadan)	Reader	Population and Medical Geography	
ADEOYE, N.O.	B.Sc.,(Ife), M.Sc., Ph.D.(Ibadan)	Senior Lecturer	Land Resource Analysis, RS & GIS	
OLAYIWOLA, M.A.	B.Sc.,M.Sc.,Ph.D.(Ife)	Senior Lecturer	Urban and Regional Planning	
OLAWOLE, M.O.	B.Sc.,(Ife),M.Sc.(Ibadan), MPA(LASU),M.Sc.(Ife), Ph.D.(Ife).	Senior Lecturer	Transport Planning and GIS	
ELUDOYIN, A.O.	B.Sc., M.Sc.,(Ife), PGD(Oyo), Ph.D.(Exeter)	Lecturer I	Hydrology	
AYANLADE, A. Ph.D.(London)	B.Sc., M.Sc.(Ife)	Lecturer I	Remote Sensing/GIS & Climate Studies	
BALOYE, D.O.	B.Sc.(OSU),M.Sc.,Ph.D.(Ife)	Lecturer I	GIS/Critical Infrastructure Planning	
OLAPOJU, O.M. UYEH, J.O.	B.Sc.,M.Sc(Ife) Ph.D.(Ife) B.Sc.(OSU),M.Sc.(Ife)	Lecturer I Assist. Lecturer	Transportation	
AFOLABI, M.R.	B.Sc.(Ife)	Graduate Assist.		

# PHILOSOPHY, VISION AND OBJECTIVES OF THE DEPARTMENT

## **Our Philosophy**

To create a teaching and learning environment for imparting appropriate skills and knowledge, behavior and attitude, and to advance frontiers of knowledge that are relevant to national and global development, especially in the areas of spatial planning and management of environmental resources.

**Our Vision:** Our vision is of a top rated university department in Africa, ranked among the best in the world; to be at the frontier of knowledge, innovation and development; and whose products occupy leadership and strategic positions in the public and private sectors of the Nigerian and global economy.

## **OUR STRATEGIC OBJECTIVES**

1. To produce graduates of international standard, with appropriate knowledge and skills in their Field of study, who will be highly employable and also be able to employ.
2. To provide high quality research and development activities that will promote the development of the Nation and enhance the image of the University and researchers.
3. To harness modern technology especially ICT and modern social, economic and financial Strategies, to run a cost efficient and effective academic programme and institutional management.
4. To provide services that have relevance to and impact on the local community and the Nation.
5. To provide conditions of study, work and living in the University Community that are of appropriate standard.
6. To expand access to tertiary education in the face of unmet demand.
7. To operate as an equal opportunity educational institution, sensitive to the principles of gender equity and non-discriminatory on the basis of race, ethnicity, religion or physical disability.

## **THE BACHELOR OF SCIENCE DEGREE IN GEOGRAPHY**

### **BRIEF HISTORY OF THE DEPARTMENT**

The Department of Geography was one of the foundation departments of this University in 1962. The Department was initially awarding B.A. degree but transferred to the Faculty of Social Sciences in 1968 when it changed to awarding B.Sc. degree. Over the years, the Department had grown very rapidly and now has a total of 20 members of academic staff at all the grades. The curriculum had been reviewed several times to reflect changing developmental needs of the country. All the course contents are oriented towards a solid theoretical background and the solution of practical problems, especially in the area of spatial planning management of environmental resources and information technology.

The Department has recently incorporated courses in Remote Sensing and Geographical Information System (GIS) to better equip our students in these areas so as to make their studies even more relevant to national development.



## **ROLL OF HONOURS FOR STUDENTS**

Senate at Special Meeting held on Wednesday, 1<sup>st</sup> November, 2006 decided that Roll of Honours for Students be instituted in the University to enhance discipline and good performance among students.

All students are enjoined to strive to be on the Honours Roll. The details are as follows:

- i. The Honours Roll should be at three levels, namely:
  - (a) Department Honours Roll
  - (b) Provost/Deans Honours Roll
  - (c) University/Vice-Chancellor's Honours Roll
- ii. The beneficiaries must have a minimum CGPA of 4.0 for Departmental Honours Roll; 4.25 for Provost/Deans Honours Roll and 4.5 for Vice-Chancellor/University Honours Roll in all the Faculties, except the Faculty of Pharmacy and College of Health Sciences where the candidates are expected to have a Cumulative average of 60% and 62% respectively.
- iii. The beneficiary must maintain this grade annually to continue to enjoy the award.
- iv. The recommendations must be processed along with results of Rain Semester Examinations.
- v. The student must be of good conduct.
- vi. He/She must not have outstanding or carry-over courses and must not be repeating the year.
- vii. No student on Leave of Absence shall enjoy the Annual Roll of Honours Award.
- viii. No student that has a disciplinary problem shall enjoy the award.
- ix. The award shall be based on the recommendation of the Departmental Board of Examiners and Faculty Board of Examiners, while that pertaining to the Vice-Chancellor/University shall be processed through the Committee of Deans.
- x. Names of beneficiaries shall be displayed as follows:  
Departmental Honours – Departmental Notice Board  
Provost/Deans Honours – Faculty Notice Board  
Vice Chancellor/University Honours – Floor 'O' Secretariat Building

## **INFORMATION ON FACILITIES**

### **(A) HEZEKIAH OLUWASANMI LIBRARY**

#### **PLAN OF THE LIBRARY**

The Library consists of the North and South wings, which are connected walkways.

#### **MEMBERSHIP**

Membership of the Library is available, on completion of a registration card, to all students, members of the senior staff of the university and such other persons as may be determined by the Library Committee or the University Librarian on behalf of it.

Students are required to renew their registration at the beginning of each academic year. Library Cards and Borrower's Tickets are not transferable; books issued on them remain the responsibility of the person whose name appears on them.

A lost Library Card or Borrower's Ticket may be replaced on submission of a written application.

## **THE LIBRARY COLLECTION**

Hezekiah Oluwasanmi Library now contains over 380,000 volumes: It consists of two main areas:

- (i) The Undergraduate Areas and
- (ii) The Research areas.

### **1. Serials Collection**

The Serial Collection consists of:

- a) Current journals, the most current issues of which are shelved in the display section of the Serials Room.
- b) Latest backfile i.e. the latest 10 years of journals which are on open access to registered senior staff and postgraduate students.
- c) Older backfiles i.e. journals older than ten years are on closed access to all categories of readers who must obtain and complete request forms at the serials hatch.

### **2. African Special Collection**

The Africana Special Collection is a collection of rare and other books of primary interest to people whose fields of interest are in African Studies. Staff publications and these submitted for higher degrees of the University as well as of other Universities are also housed there. The collection is on closed access.

### **3. Documents Collection**

The Documents Collection includes official publications of the Federal Government of Nigeria, the old regional governments, the present state governments and the 'Federal Capital Territory. It also include publications of other African governments and International organizations.

### **4. Reference Collection**

Dictionaries, encyclopedia, handbooks, directories, atlases, University Calendars, etc, are Shelved in the reference Room. Bibliographies, indexes and abstracts are available in the Bibliography Room. Reference books do not ordinarily circulate.

### **5. Reserve Collection**

#### **(i) Day reserve collection**

Multiple copies of textbooks, particularly some of those recommended for Specific courses, are shelved in the Reserve Books Room on Floor 3 North Wing East.

#### **(ii) Two-Hour Reserve**

Some other materials, periodical articles in particular, are placed on 2-hour reserve. These may be obtained on request (signature and seat number required) and retained for a period of two hours at a time, subject to renewal, provided other readers have not demanded the materials.

## **6. Recent Acquisitions**

A selection of books added to the Library stock is normally displayed for several days before being put in the main collection. The books may not be borrowed while on display but may be reserved at the Loans Desk.

## **CATALOGUES**

A library catalogue is a finding list of books and other materials available in the Library. The following catalogues can be found in the catalogue Hall.

- (i) The Author/title Catalogue
- (ii) The Subject Catalogue
- (iii) The Shelf List
- (iv) The Serial Catalogue
- (v) The Documents Catalogue.

## **HOW TO BORROW A BOOK**

When you have found the book you want to borrow, you will be required to sign your name and address on the book card provided in duplicate. You must surrender a Borrower's Ticket for each book borrowed.

When you return a book, you must ensure that you receive your Borrower's Ticket back immediately.

## **(B) DIVISION OF STUDENTS' AFFAIRS**

### **1. Guidance and Counseling Unit:**

The Division of Student affairs has Professional Counselors who are committed to helping students grow in self-understanding in the process of integrating their personal and academic experiences. The services are free to students and are confidential (i.e. not used as part of his/her other University records). The services include personal counseling, group counseling, study skills improvement, tests anxiety reduction, personal crisis intervention, psychological testing, career and occupational counseling and settlement of grievance between students. Where necessary, consultations are made with campus organization, specialist and academic Departments, to ensure that students problems are resolved satisfactorily. The Counselors can be contacted in Rooms 9 & 10 Division of Student Affairs between 10.00 a.m. and 2.00 p.m. Monday to Friday.

### **2. Scholarship and Financial Assistance**

The Division of Student affairs serves as a link between students and sponsoring authorities, both within and outside Nigeria. Students are advised to check the Notice Boards in their respective faculties as well as those at the Division of Student Affairs Building for advertisements and other relevant information. Liaison is also maintained between students and government at various level for scholarship and bursaries.

## **RELEVANT SECTIONS OF UNIVERSITY EXAMINATION REGULATION**

### **(1) REGISTRATION FOR UNIVERSITY EXAMINATIONS**

- a) A candidate for a University examination must have registered for the courses in the prescribed format not later than closing date prescribed for registration for such courses. Any candidate who fails to register for courses at the appropriate time as prescribed by Senate will not be take any examination in such courses. Any examination taken without course registration shall be null and void.
- b) Students who register for courses are committed to the numbers of units registered for and are expected to take examinations in such courses. If a student failed to take an examination he would be scored 'OF' for the number of units he had registered for and in which he had failed to take the prescribed examination.
- c) Any student who does not have any course or courses to offer in a particular semester should apply for leave of absence.
- d) A candidate who has less than 15 units in a particular semester to graduate should apply to his/her Faculty Board for permission to register for less than 15 units. Failure to do so constitutes a breach of regulation which may result in the non-processing of the candidate's results.
- e) A candidate who cannot register for courses during the prescribed period of registration because of an illness, must ensure that medical report in his illness, must ensure that medical report in his illness is forwarded by him or his parents/sponsors to reach the Dean of his Faculty not later than four weeks after the end of the normal registration period as scheduled in the University Calendar. Such a medical report should be forwarded for authentication by the Director of Medical and Health services for it to be considered valid. Such candidate shall be exempted from the penalties of late registration. All applications should be routed through the Head of Department.
- f) Students must attend a minimum of 75% of course instructions including lectures. Tutorials and practical where required to quality to sit for examination in any course.
- g) A candidate for a university examination in a particular degree programme should not be a regular candidate for another degree in this or any other university concurrently. Any candidate so discovered shall forfeit his/her studentship.

### **(2) ABSENCE FROM EXAMINATION**

Candidates must present themselves at such University examinations for which they have registered. Candidates who fail to do so for reason other than illness or accident shall be bound by the following regulations.

- a) Any student who fails to register for courses during one semester without permission should be deemed to have scored 'OF' in the minimum number of units required for full time student (i.e. 15 units.)
- b) Candidates who registered for courses, attended classes regularly, did all practicals

and test but did not take required semester examinations should be given a continuous assessment grade in each of the affected courses and a grade of 'O' in the examination which they should have taken, but which they did not take.

- c) Candidates who have less than 15 units to graduate but who fail to take the required examinations should be deemed to have scored "0" F in the outstanding courses only provided such candidates obtained permission to register for less than 15 units.
- d) Any candidate who on account of illness is absent from a University examination may be permitted by the Senate on the recommendation from the appropriate Faculty Board, to present himself for such examination at the next available opportunity provided that:
  - i. A full-time student in the University shall report any case of illness to the University Health Centre at all times.
  - ii. When a student falls ill during examination he should first report to the Director, Medical and Health Services before attending any hospital outside the University. A report of sickness should be made to the Registrar within a week and a medical certificate for validation of his illness within three weeks.
  - iii. When a student falls ill before an examination he shall be under an obligation to send a medical report countersigned by the Director Medical and Health Services within one week of such illness. Any time outside this period, shall be considered on its own merit.
  - iv. The Director of Medical and Health Services should, with 48 hours, submit a medical report on a candidate who is ill during an examination and is taken to the Health centre or deferred by it to the hospital for treatment.
  - v. A candidate applying for leave of absence on medical grounds must forward his application together with a medical report to the Dean of his Faculty through his Head of department. The Medical and Health Services. All applications for Leave of Absence must be taken by the appropriate Faculty Board.

### **(3) EXAMINATION OFFENCES AND PENALTIES**

#### **(A) EXAMINATION OFFENCES**

- a) A candidate shall not be allowed during an examination to communicate by word or otherwise with any other candidates nor shall he leave his place except with the consent of an invigilator. Should a candidate act in such a way as to disturb or inconvenience other candidates, he shall be warned and if he persists he may, at the discretion of the invigilator, be excluded from the examination room. Such Action by the invigilator must also be reported in writing through the Head of Department to the Vice-Chancellor within 24 hours.
- b) It shall be an examination offence for any student, staff or any person whatsoever to impersonate a candidate in any University found guilty under this regulation shall be subjected to disciplinary action by the appropriate authority of the University. The candidate impersonated shall also be liable of an infraction of this regulation where it is established directly for circumstantial evidence that the impersonation is with his knowledge or connivance.

- c) No candidate shall take into an examination room, or have in his possession during an examination any book or paper or printed or written documents, whether relevant to the examination or not, unless specifically authorized to do so. An invigilator has authority to confiscate such documents.
- d) Mobile phones are not allowed in examination halls.
- e) A candidates shall not remove from an examination room and papers, used or unused, except the question paper and such book and papers, if any, as he is authorized to take into the examination room.
- f) Candidates shall comply with all “direction to candidates” set out on an examination answer book or other examination materials supplied to them. They shall also comply with direction given to them by an invigilator.
- g) Candidate shall not write on any paper other than the examination answer books. All rough work must be done in the answer books and crossed out neatly. Supplementary answer books, even if they contain only rough work must be tied inside the main answer books.
- h) When leaving the examination room, even if temporarily, a candidate shall not leave his written work on the desk but he shall hand it over to an invigilator. Candidates are responsible for the proper return of their written work.
- i) Smoking shall not be permitted in examination room during examination sessions.
- j) Any candidate or staff who attempts in any way to unlawfully have or give pre-knowledge of an examination question or to influence the marking of scripts or the award of marks by the University examiner shall be subjected to disciplinary action by the appropriate authority of the University.
- k) If any candidate is suspected of cheating, receiving assistance or assisting other candidate or if infringing any other examination regulation, a written report of the circumstance shall be submitted by the invigilator to the Vice-Chancellor within 24 hours of the examination session. The candidate concerned shall be allowed to continue with the examination.
- l) Any candidate suspected of examination malpractice shall be required to submit to the invigilator a written report immediately after the paper. Failure to make a report shall be regarded as a breach of discipline. Such report should be forwarded along with the invigilator’s report to the Vice-Chancellor.
- m) Where a Head of Department fails to forward a report on examination malpractice to the Vice-Chancellor such action would be considered as misconduct.
- n) Where the Vice-Chancellor is satisfied on the basis of the reports forwarded to him that any candidate has a case to answer, he shall refer the case to the Central Committee on Examination Malpractice.

**(B) PENALTIES FOR EXAMINATION MALPRACTICES AND OTHER OFFENCES**

- a) Any examination offence would attract appropriate penalty including outright dismissal from the University.
- b) Where the Vice-Chancellor has reason to believe that the nature of any question or the content of any paper may have become known before the date and time of the examination to any persons other than the examiners of the paper, the Board of Examiners, and any official of the University authorized to handle the paper, he may order the suspension of the examination or the cancellation of the paper or

setting of a new paper and shall report the matter to the Senate. The Vice-Chancellor shall also take any disciplinary measure against any students involved as he may deem appropriate.

- c) If the opinion of an invigilator, circumstances arise which render the examination unfair to any candidate, he must report the matter to the Vice-Chancellor within 24 hours after the examination. Where such matter is reported to the Vice-Chancellor he may take such action as he deems fit. If he directs that another examination be held, that examination shall be the examination for the purpose of this regulation.
- d) Any candidate or member of staff may complain to the Vice-Chancellor that an examination has been improperly conducted. The Vice-Chancellor shall investigate the complaint and report the result of his investigation to the Senate which shall take such action as it may deem appropriate, including withholding result or deprivation of the award of a degree, diploma etc as laid down in Statue 17. However where it is shown to the satisfaction of the Committee of Deans that any alteration or amendment of a University regulation involving a change in a course of study or in examination requirements had caused hardship to a candidate in any examination, the committee of deans shall make such provisions as it thinks fit for the relief of each hardship and report same to Senate.

## **THE COURSE UNIT SYSTEM AND THE COMPUTATION OF GRADE POINT AVERAGE**

### **A. PATTERN OF EXAMINATION**

- i. Each course shall be examined at the end of the course. The examination shall be conducted as prescribed by Senate.
- ii. Each examination shall be 1-3 hours in duration. In addition there may be a practical paper and/or an oral examination.
- iii. There shall be continuous assessment of each course and this shall constitute a percentage of the final grade.

### **B. MEASUREMNT OF PERFORMANCE**

Performance in a course shall be measured in terms of:

- i. The results of prescribed theory and practical examination
- ii. Continuous assessment which shall constitute 40% of measured performance
- iii. Assessment of such essay, practical exercises and report prescribed for each course.

### **C. LEVEL OF PERFORMANCE**

A candidate shall be recorded as having attained in a course a level of achievement graded as follows:

A	=	Excellent	70%	-	100%
B	=	Very Good	60%	-	59%
C	=	Good	50%	-	49%
D	=	Satisfactory	45%	-	49%

E	=	Adequate	40%	-	44%
F	=	Failure	0%	-	39%

**D. DEFINITION OF TERMS**

- (i) **Student Workload:** This is defined in terms of course units. One unit represents one hour of lecturer or one hour of Tutorials or 2-4 hours of practical work per week throughout a semester: Thus for example, a course in which there are 2 hours of lecturers and 1 hour of Tutorial per week is a 3-unit course.
- (ii) **Total Number of Units (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 carrying 6 courses of 3 units each has a TNU of 18 for that semester. No student shall be allowed to carry (i.e. register for) or be examined in more than 24 units in any particular semester.
- (iii) **Cumulative Number of Units (CNU):** This is the summation of the total number of units over all the semester from the beginning to date. A student who is prone to repeating courses will finish (if he does not drop out) with a higher CNU than his non-repeating colleague and will most likely require a longer time to complete requirements for the award of Degrees.
- (iv) **Level of Performance Rating:** This is the rating of grades obtained in terms of credit points per load unit. The rating used is as follows:

Level of Performance		Rating (Credit points per unit)			
A	=	70%	-	100%	5
B	=	60%	-	65%	4
C	=	50%	-	59%	3
D	=	45%	-	49%	2
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, and one who obtained a grade of C in that course has scored 9 Credit points.

- (v) **Total credit Points (TCP):** This is the summation of Total Credit Points over all semester from beginning to date.
- (vi) **Cumulative Credit Point (CCP):** This is the summation of Total Credit Point over all semester from beginning to date.'
- (vii) **Grade Point Average (GPA):** This is the total credit points (TCP) divided by the total number of units (TNU). For example consider the student's scores referred to above. His TCP is 27, and of course, his TNU is 12 (i.e. 4 courses of 3 units, for the semester). The higher GPA that can be earned is 5.0 and that is when a student has earned a grade of 'A' in every course during the semester. The lowest GPA obtained is 0.0 and this would happen if the student has F in every course during the semester.



(viii) **Cumulative Grade Point Average (CGPA):** This is the summation of TCPs for all semesters, divided by the summation of TNUs for the said semesters. Like the GPA, CCPA obtained ranges from 0 to 5.

#### E. CALCULATION OF GRADE POINT AVERAGE (GPA)

The overall performance of each candidate during an entire semester shall be determined by means of weighted grade point average, obtained by awarding credit points in respect of each course multiplied by the numerical value of the grade obtained as follows.

A = 5 credit point per unit

B = 4 credit point per unit

C = 3 credit point per unit

E = 1 credit point per unit

F = 0 credit point per unit

The grade point average is the total number of credit points, divided by the total number of units for all courses taken during a particular semester.

#### F. GPA AND CGPA SAMPLE COMPUTATIONS

**Sample Computations:** Consider a hypothetical direct entry student who has enrolled in a course programme designated as DSS and has just completed 2 full semesters in the University. His course programme and his GPA and CGPA could be as follows:

##### SEMESTER 1

**NOTE:** In this case TCP, TNU, and GPA will be the same for CCP, CNU and CGPA

##### SEMESTER 2

COURSE CODE	1	T	P	UNITS	GRADES	CREDIT POINTS	GPA/CGPA
GPY 202	2	1	0	3	75%(A)	3X5=15	
GPY 204	2	1	0	3	75%(A)	3X5=15	GPA=64/17=3.76
GPY 206	2	0	1	2	45% (A)	2X5= 10	CCP = 43+64=107
GPY 208	2	1	0	3	63% (B)	3X4=12	CNU=17+17=34
SSC 202	2	1	0	3	52% (C)	3X3=9	CGPA=107/34=3.15
SOC 201	2	1	0	3	45% (E)		3X1=3
				17(TNU)		64(TCP)	

## F. WITHDRAWAL FROM THE UNIVERSITY

A student who fails to reach a cumulative grade point average (CGPA) of 1.00 at the end of one semester shall be placed on probation during the second semester. If she/he fails to achieve a CGPA of at least 1.00 at the end of the second semester, she/he shall be required to withdraw from the University.

## H. ASSESSMENT AND AWARD OF DEGREES

- (i) The student's workload is defined in terms of course units. One unit represents one hour of lecture or one hour tutorial, or 2-4 hours of practical work per week throughout a semester. All courses shall run for one semester or a full session of two semesters.
- (ii) The final award and the class of the degree shall be based on the Cumulative Grade Point Average (CGPA) obtained by each candidate in all prescribed courses approved by the University. The final cumulative grade point average shall be Calculated on the basic of the total number of credit points and the total number of course unit registered for during the course of the student's programme. In the case of a failed course, the candidate must repeat the course at the next available opportunity. If the course is an elective, the candidate may substitute another course and shall not be required to pass the failed elective, substitution can only be made from the list of restrict electives. The failed grade would however be reflected in the transcript.

- (iii) A candidate who has satisfactorily competed 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:

First Class	4.50	-	5.00
Second Class (Upper Division)	3.50	-	4.49%
Second Class (Lower Division)	2.40	-	3.49%
Third Class Honours	1.50	-	2.39%
Pass	1.00	-	1.49%

- (iv) Passes is 12 unit of Special Elective is a requirement for graduation
- (v) A candidate who scores a cumulative grade point average (CGPA) of less than 1.00 in two consecutive semesters shall be required to withdraw from the University.

## 1. TRANSFER WITHIN THE UNIVERSITY AND LENGTH OF STAY IN THE UNIVERSITY

- (a) To qualify for a degree, a candidate will normally be required to spend a minimum of two academic years at the ObafemiAwolowoUniversity.
- (b) If a student transfers from one Faculty to another, the transfer would be treated as if he/she is just being admitted into the University since as part of the requirement for graduation, the student has to take all the foundation//compulsory courses in the new faculty/Department. In that case his/her stay in the new Faculty/Department should be 1 ½ times the number of semesters required to complete a programme.
- (c) Where a student transfers from a science based Faculty to another, the computation of his result in the new Faculty shall take cognizance of his previous CGPA in the new Department. The duration of the stay in

the University will be what remains of the 1 ½ time the number of semesters required to complete the programme as approved by Senate.

- (d) Where a student is transferring from a science-based to a Humanities/Arts-based faculty or Vice-versa, the transfer should be treated as if the student is just being admitted into the University. The GPA of the student will not be transferred to the new Department. He/She will however be required to take all the foundation/compulsory courses in the new Department.

### **1.2.1 History of the University**

A brief history of the University and the Faculty of Social Sciences as constrained in Obafemi Awolowo University, Nigeria Calendar, 2004-2006 and Faculty of Social Sciences Handbook, 1981-83 respectively and the Department of Geography is given below. 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 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 Western Nigeria first announced in 1960 its intention to establish as soon as possible a University in Western Nigeria which would be of the highest standard. Its policy would be to open its doors to students from all parts of the Federation and of the World. The planning of the Obafemi Awolowo University was entrusted to two

Committees. The one, 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 other a University Parliamentary Committee, which would be advisory to the Minister of Education. On 8<sup>th</sup> 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 11<sup>th</sup> 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 8<sup>th</sup> 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. This 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 be subject to the general direction of the Head of the Federal Government. Control the policies and finances of the University and manage its affairs. This Provisional Council has since been replaced by a Governing Council.

The site selected for the University was at Ile-Ife, a town about 80 Kilometres northeast 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 should be put up on 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 Nigerian College of Arts, Science and Technology to the University, it was decided that it would be unnecessary to put up temporary buildings at Ife and the University was temporarily located on the site of Ibadan Branch of the Nigeria College.

Teaching began in October 1962 with an initial enrolment of 244 students. The teaching, administrative and technical staff, either transferred from the Nigeria College or newly recruited from abroad numbered about eight. 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 1<sup>st</sup> October, 1976), the Faculty of Pharmacy (established on 1<sup>st</sup> October, 1979), the Faculties of Technology and Health Sciences (now College of Health Sciences) (both established on 1<sup>st</sup> October, 1970) Faculty of Administration (which replaced the former Institute of Administration with effect from 1<sup>st</sup> October 1979) and Faculty of Environmental Design and Management (established on April 6, 1982).

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

The Adeyemi College of Education located in Ondo and the Institute of Agriculture 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 programmes of the University under a system that is closely monitored by 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 staff of the University through the Vice-Chancellor and Registrar respectively. The Vice-Chancellor is the Chairman of the Institute's Government Board.

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

The Natural History Museum

The Institute of Ecology and Environmental Studies

The Centre for Gender and Social policy Studies

The Centre for Industrial Research and Development

The Computer Centre

The Drug Research and Production Unit

The Equipment maintenance and Development Centre

The Central Technological Laboratory Workshop

The Distance Learning Centre

Finally, some other agencies over which the University has no direct, or, in some cases limited control, have premises within the University.

The Regional Centre for Training in Aerospace Surveys

The National Centre for Technology management

The Centre for Energy Research and Development

The African Regional Centre for Space Science and Education in English

The student population rose steadily from 244 in 1962/62 to 28.758 at the end of the 2005/2006.

#### **STUDENT REGISTRTION ON E-PORTA**

- Visit e-portal URL directly with [www.eportal.oauife.ng](http://www.eportal.oauife.ng)  
OR
- Visit OAU website with [www.oauife.edu.ng](http://www.oauife.edu.ng) and click “e-portal” from OAU Home Page.  
  
From e-portal home page
- Click “Payment/Registration (on-line).  
From Login Screen
- Read additional directives and comply
- Click on “Submit” to display your identity for confirmation
- Click “OK”
- Click again “Payment/Registration (on-line)” to display list of tables of Students  
From the Table List
- Click on “Bio-Data Form” to display “Submit Information Form (MIS2)”  
And fill accordingly
- Click “Submit” to save your form.

#### **ENTRY REQUIREMENT FOR THE REVISED B.Sc. DEGREE IN GEOGRAPHY**

Five ‘O’ Level credits including English, Mathematics, Geography and any two subjects from Arts Social Sciences or Sciences.

The U.M.E. subjects include Geography, English Language, and any two subjects from Arts, Social Science or Sciences.

#### **REQUIREMENTS FOR THE AWARD OF A DEGREE**

To be eligible for the award of a degree of B.Sc. (Geography), a candidate must satisfactorily complete the minimum of 150 units and 126 units of course work for UME and Direct Entry, respectively. This would involve successfully completing the approved University Special Electives (12 units), approved Faculty of Social Sciences Courses (24 units for UME, 12 units for DE) and the approved Departmental Compulsory and restricted course (114 unit for UME, 102 for DE). The candidate must also complete other requirements indicated by the University.

## SCHEME OF STUDIES

a. Faculty of Social Sciences Courses (B.Sc. Hons degree)		
<b>Code</b>	<b>Title</b>	<b>Units</b>
SSC 101	Man in His Social Environment	3
SSC 102	Economic Principles and Theory	3
SSC 103	Man – Environmental Relations	3
SSC 104	Introduction of Political Science	3
SSC 105	Mathematics for Social Scientists I	3
SSC 106	Mathematics for Social Scientists II	3
SSC 201	Statistical Methods and Sources I	3
SSC 202	Statistical Methods and Sources II	3
b. Special Electives (12 units)		
<b>Sub – Total</b>		<b>36</b>

### Department Requirements

SSC 107	Man's Physical Environment	3
SSC 108	Introductory Map Analysis	2
SSC 110	Elementary Cartography & Statistical Representation	1
GPY 202	Introduction to Economic Geography	3
GPY 202	Introduction to Economic Geography	3
GPY 203	Introduction to Climatology	3
GPY 204	Introduction to Geomorphology	3
GPY 205	Cartography & Map Analysis	2
GPY 206	Principles of Geographic Information Systems	2
GPY 208	Introduction to Biogeography	3
CSC 221	Computer Programming	2
CSC 331	Computer Technology	2
GPY 301	Geography of the Tropics	3
GPY 302	Regional Geography of N/America or NW Europe	3

GPY 303	Elements of Remote Sensing	2
GPY 304	Elements of Land Surveying	2
GPY 305	Philosophy and Methodology in Geography	3
GPY 306	Spatial Organization and Planning	3
GPY 307	Principles of Biogeography	3
GPY 308	Population Geography	3
GPY 309	Field & Lab Techniques in Geography	2
GPY 315	Medical Geography	
GPY 401	Project / Original Essay I	3
GPY 402	Project/Original Essay II	3
GPY 403	Quantitative Techniques in Geography	2
GPY 405	Environmental Impact Assessment	3
GPY 407	Regional Geography of West African with Special Reference to Nigeria	3
GPY 424	Ecology of Natural Resources	3
	<b>Sub-Total</b>	<b>72</b>
	Restricted Elective (Minimum of 42 units)	42
	Sub- Total	42
	<b>GROUP TOTAL</b>	<b>150</b>

Students will be guided to select their restricted electives

#### **OUTLINE OF THE PROGRAMME BY PART AND SEMESTER**

##### **Part I**

##### **Harmattan Semester:**

<b>Course Code</b>	<b>Course Title</b>	<b>Pre-requisite</b>	<b>Contact Hour</b>	<b>No of Unit</b>
<b>Compulsory courses</b>				
SSC 101	Man in his Social Environment		2-1-0	3
SSC 103	Man- Environment		2-1-0	3
SSC 105	Mathematics for Social Scientist		2-1-0	3

OR

MTH 101 Elementary Mathematics 4-1-0 5

Special Elective Any 2 of special electives outside

The Faculty of Social Sciences 2

Sub-Total 11/13

Restricted Electives Any 6 units from the following

SSC 107 Man's Physical Environment 2-1-0 3

SSC 111 Foundation of Psychology I 2-1-0 3

HIS 101 Culture History of Africa to 1500 AD 2-1-0 3

HIS 103 European History C 1300 – 1789 2-1-0 3

PHL 101 Introduction of Philosophy I 2-2-0 3

PHL 103 Introduction to History of Philosophy I 2-1-0 3

PHL 105 Elementary Ethics 2-1-0 3

FRN 101 Audio – Visual Course Part 2-1-0 3

FRN 103 Introductions to French Composition  
and Comprehension 2-1-0 3

BOT 101 Form and Functions in Plants I 3-1-0 3

ZOO 101 Introduction Zoology I 3-1-0 3

YOR 103 Yoruba Institutions 2-1-0 3

Grand Total Number of Units 17/19

**Rain Semester**

<b>Course Code</b>	<b>Course Title</b>	<b>Pre-requisite</b>	<b>Contact Hour</b>	<b>No of Unit</b>
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Compulsory courses

SSC 102	Economics Principles and Theory	2-1-0		3
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SSC 104	Introduction to Political Science	2-1-0		3
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SSC 106	Mathematics for Social Scientist II	2-1-0		3
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OR

MTH 102	Elementary Mathematics I	3-1-0		5
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Special Elective Any 2 of special electives outside

The Faculty of Social Sciences

Sub – Total 11/13

Restricted Electives Any 6 units from the following

SSC 108	Introduction to Map Reading	2-1-0	3
SSC 110	Elementary cartography & Statistical Representation	2-1-0	2
SSC 112	Introduction to Psychology II	2-1-0	3
HIS 102	West African History 1500-1800	2-1-0	3
	Europe 1600-1789	2-1-0	3
FRN 102	African Literature in French	2-1-0	3
MTH 104	Vectors (Elementary Mathematics III)	3-1-0	3
PHL 102	Introductions to Social and Political Philosophy	2-2-0	3
PHL 104	Introduction to Philosophy II	2-2-0	3
PHL 106	Introduction to History of Philosophy II	2-2-0	3
YOR 104	Yoruba Literature	2-1-0	3
BOT 102	Form and Functions in Plants II	2-1-0	3
ZOO 102	Introduction Zoology II	2-1-0	3

Grand Total Number of Units 18/20

## Part II

### Harmattan Semester

Course Code	Course Title	pre-requisite	Contact Hour	No of Unit
Compulsory courses				
GPY 201	Introduction to Social Geography		2-1-0	3
GPY 203	Introduction to Climatology		2-1-0	3
GPY 205	Cartography and Map Analysis		1-0-2	2

SSC 105	Mathematics for Social Scientist I	2-1-0	3
OR			
MTH 101	Elementary Mathematics I	4-1-0	5
SSC 201	Statistical Methods and Sources	2-1-0	3
Special Elective Any 2 of special electives outside			
The Faculty of Social Sciences			2
Sub-Total		13/16	

Restricted Electives Any 6 units from the following

ECN 201	Principle of Economics I	2-1-0	3
DSS 201	Introduction to Population Studies I	2-1-0	3
SOC 201	Introduction to Sociology I	2-1-0	3
POL 203	Political Through: Plato to Machiavellian	2-1-0	3
GLY 201	History Geology	2-1-0	3

Grand Total Number of Units 19/22

### Rain Semester

Course Code	Course Title	Pre-requisite	Contact Hour	No of Unit
Compulsory courses				
GPY 202	Introduction to Economic Geography		2-1-0	3
GPY 204	Introduction to Geomorphology		2-1-0	3
GPY 206	Principles of GIS		1-0-2	2
SSC 106	Mathematics for Social Scientist I		2-1-0	3
OR				
MTH 102	Elementary Mathematics I		3-1-0	5
SSC 202	Statistical Methods and Sources II	SSC 201	2-1-0	3
Special Elective Any 2 of special electives outside				
the Faculty of Social Sciences				2
Sub-Total		13/16		

Restricted Electives Any 6 units from the following

GPY 208 Introduction to Biogeography	2-1-0	3
DSS 202 Introduction to Population Studies	2-1-0	3
ECN 202 Principles of Economics II	2-1-0	3
SOC 202 Introduction to Sociology II	2-1-0	3
POL 204 Introduction to African Politics	2-1-0	3
GLY 102 Mineralogy I	2-1-0	3

Grand Total Number of Units 19/22

### Part III

#### Harmattan Semester

Course Code	Course Title	Pre-requisite	Contact Hour	No of Unit
Compulsory courses				
GPY 301	Geography of the Tropics		2-1-0	3
GPY 303	Element of Remote Sensing		1-0-2	2
GPY 305	Philosophy and Methodology in Geography		2-1-0	2
GPY 309	Field and Laboratory Techniques in Geography		1-0-2	2
GPY 311	Geomorphological Processes	GPY 204	2-1-0	3
CSC 221	Computer Programming		2-1-0	3
Special Elective	Any 2 special electives outside the Faculty of Social Sciences			
	Sub-Total	18		2

Restricted Electives Any 6 units from the following

GPY 307 Principles of Biogeography	GPY 208	2-1-0	3
GPY 315 Medical Geography		2-1-0	3
ECN 305 Elements of Economics Development			
	ECN 201/202	2-1-0	3
ECN 315 Urban Economics	ECN 201	2-1-0	3

POL 301 Contemporary Political Analysis	2-1-0	3
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Grand Total Number of Units 21

**Rain Semester**

Course Code	Course Title	Pre-requisite	Contact Hour	No of Unit
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Compulsory courses

GPY 302	Regional Geography of N/America or NW Europe		2-1-0	3
GPY 304	Elements of Land Surveying		1-1-0	2
GPY 306	Spatial Organization and Planning	GPY 201	2-1-0	3
GPY 308	Population Geography	GPY 201	1-1-0	3
CSC 331	Computer Technology		1-1-0	2

Special Elective Any 2 of special electives outside

the Faculty of Social Sciences

Sub-Total	15
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Restricted Electives Any 6 units from the following

GPY 310	Physical and Dynamic Climatology	GPY 204	2-1-0	3
GPY 312	Industrial Geography		2-1-0	3
GPY 314	Soil Geography	GPY 203	2-1-0	3
GPY 313	Location of Service centres		2-1-0	3
ECN 316	Transport Economics	ECN 201	2-1-0	3
POL 308	Politics of Development and Underdevelopment		2-1-0	3

Grand Total Number of Units 21

**Part IV**

**Harmattan Semester**

Course Code	Course Title	Pre-requisite	Contact Hour	No of Unit
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Compulsory courses

GPY 401	Original Essay/Project I	0-3-0	3
GPY 403	Quantitative Techniques in Geography		
	SSC 201	2-0-0	3
GPY 405	Environmental Impact Analysis	2-1-0	3
GPY 407	Regional Geography of West Africa		
	With special reference to Nigeria	2-1-0	3

Special Elective Any 2 of special electives outside  
the Faculty of Social Sciences 2

Sub – Total 12/14

Restricted Electives Any 6 units from the following

(a)	GPY 409	Spatial Analysis of Agricultural Activities in Nigeria	GPY 308	2-1-0	3
	GPY 411	Administrative and Political Systems		2-1-0	3
(b)	GPY 413	Principles of Land Evaluation			
	GPY 314			2-1-0	3
	GPY 415	Principles of Hydrology	GPY 310	2-1-0	3
(C)	GPY 417	Advanced Cartography	GPY 205	2-0-2	3
	GPY 419	Remote Sensing Platforms, Sensors and Systems	GPY 206	2-1-0	3

Grand Total Number of Units 18/20<sup>4</sup>

**Rain Semester**

Course Code	Course Title	Pre-requisite	Contact Hour	No of Unit
Compulsory courses				
GPY 402	Original Essay/Project II		0-3-0	3
GPY 424	Ecology of National Resources	GPY 207	2-1-0	3
Special Elective Any 2 special electives outside the Faculty of Social Sciences 2				

Sub – Total 6/8

Restricted Elective Any 6 units from the following

(a) Urban Studies

GPY 404	Transportation Planning	GPY 308	2-1-0	3
GPY 406	Urban Design	GPY 302	2-1-0	3
GPY 410	Urbanization Processes		2-1-0	3

(b) Land and Water Resources Management

GPY 412	Terrain Analysis	GPY 311	2-1-2	3
GPY 414	Land use Planning	GPY 311	2-1-2	3
GPY 416	Microclimatology & Climate Change Studies	GPY 310	2-1-0	3
GPY 412	Water Resources Evaluation	GPY 412	2-1-0	3

(c) Mapping techniques/GIS

GPY 402	Remote Sensing Applications	GPY 303	2-0-2	3
GPY 422	Applications of GIS		2-1-2	3

Grand Total Number of Units 18/20

**LIST OF SPECIAL ELECTIVES**

SER 001	-	The use of English
SEE 001	-	Indigenous Evaluation in Nigeria
SEE 002	-	Education Social Organization and Culture of Nigeria
SEM 001	-	Fundamental of Building for Human Habitation
SEM 002	-	Issues of Land & Management
SEP 001	-	Drug and the Society I
SEP 002	-	Drug and the Society II
SET 001	-	Technology and Society I
SET 002	-	Technology and Society II
SEA 001	-	Govt. & Administration of Public Sector

- SEA 002 - Elements of Business Administration
- SEG 001 - Food Production and the Nation
- SEG 002 - Agriculture and Human Survival
- SHE 001 - Community and Health I
- SHE 002 - Community of Health II
- SEL 001 - Introduction to Law I
- SEL 002 - Introduction to Law II

## **COURSE DESCRIPTION**

### **SSC 103: Man – Environment Relation - 3 Units**

The influence of the environment on man's economic, social and cultural patterns; Human ecology and Man's utilization 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 environment deterioration.

### **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 surface; The earth's surface in natural history; The current environment concern.

### **SSC 107: Introductory Map Reading - 2 Units**

Drawing instruments; the map and its essentials; scales; conventional signs and symbols; Measurement of distance and areas; Reduction and enlargement of maps; Elements of the physical and human features on topographical maps; Relationships between physical and human elements on maps.

### **SSC 110: Elementary Cartography & Statistical Representation 2 Units**

Use of point symbols; construction of graphical diagram such as simple linear graphs, compound line graph, flow and linkage diagrams, pie charts, divided rectangles, star diagrams, etc. use and construction of homochromatic maps, chorographic compage maps, isopleth and choropleth maps. Different types of shading stipple and colour for illustrating spatial data. Application to statistical representation of climatic, geomorphological, economic, population, and biogeographical data. Sources of statistics in Nigeria and their reliability.

### **SSC 201: Statistical Methods and Sources 13 Units**

The nature of statistical methods; frequency distributions, measures of central tendency – mean, mode etc. measures of dispersion - Range, Variance, Standard Deviation. Elementary Probability Theory. Binomial, Normal and Poisson Distributions.

### **SSC 202: Statistical Methods and Sources II 3 Units**

Tests of Hypothesis; Small sample Test – t – test,  $X^2$  test and F – test. Time Series Analysis; Regression Analysis, Index Numbers, Analysis of Variance, Sources of Statistical Data in Nigeria.

### **GPY 201: Introduction to Social Geography – 3 Units**

The scope of Social Geography; Principles and patters of world population; Population growth and components; Concepts in Social Geography; Rural Systems; Urban agglomeration in social systems. Processes and Patterns in Social Geography; Nigerian population structure, distribution pattern and their implications.

### **GPY 202: Introduction to Economic Geography – 3 Units**

Patterns of world economic development; Types of economic systems; Components of an economy; Agricultural systems and patterns; Agriculture in the world economy; Distribution of fishing and lumbering



activities; Mining and manufacturing industries; Fuel in the world economy; Transportation and Communication; Commerce and international trade.

#### **GPY 203: Introduction to Climatology – 3 Units**

The nature of the atmosphere; Elements of climate; Methods and problems of weather observation; Processes leading to precipitation; Pattern of rainfall distribution; Tropical weather forecasting; World climatic patterns, Physiological climatology.

#### **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 (Endogenetic 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.

#### **GPY 205: Cartography & Map Analysis 2 Units**

Maps and their limitations; Projections and their properties (excluding construction) Qualities of projections for Nigerians Maps; Base maps for different purposes; Choice of base maps; Statistical representation; Sources statistical data for geographical studies; Cartographic instruments; Analysis of physical and human features on topographical maps; Delimitation and examination of areal and linear properties of drainage basins; Slope analysis; Geological Mapping; Analysis of Geological Maps; Analysis of climatological maps; Settlement analysis; Analysis of socio-economic activities; Transportation patterns.

#### **GPY 206: Principles of GIS 2 Units**

Concepts and Principles of growth of information science, its applications in various field and relations to Remote Sensing; Principles of GIS and Varieties of GIS; Analogue and Automated GIS; Digitizing and Data Scanning; Data composition in GIS setting; Raster and Vector models; Importing data into GIS models; Hierarchical, network and relational database systems; Data layering.

#### **GPY 208: Introduction to Biogeography 2 Units**

Comparative study of the major regions with particular reference to tropical America, Tropical Africa and the Indo-pacific region; Physical, social, economic and political processes unique to the Tropics; Problems of development in the Tropic; The factors of colonial antecedence, technological backwardness, the tropical environment and the concepts of underdevelopment; Problems and prospects of the tropical countries in a changing world; Tropical savanna vegetation; the dynamic status of savanna vegetation, the forest/savanna boundary, Inter-regional and international trade and the importance of the heartland hinterland paradigm to the understanding of the problems and prospects of the underdeveloped countries.

#### **GPY 302: Regional Geography of North America or Northwest Europe 3 Units**

In any of the regions selected for study, the course will include; the geographical influence of the selected area due to its internal physical diversity and changing evolution of the environment. Regions, regionalism and their relevance to: population diversity and its changing distribution; urbanization and the nodal regions; segregation and the spatial arrangement of the residential areas in the cities. Manufacturing regions; Forest and agricultural regions; Transport and the interconnectedness of various regions.

**GPY 303: Elements of Remote Sensing 2 Units**

Definition of Remote Sensing; Historical development of remote Sensing; Energy flow in the atmosphere; Effect of atmosphere on object reflectivity; Types of Remote Sensing Data; Characteristics of Air Photos; Scale and Measurements from air Photo; Characteristics of photographic images; Principles of convergence of evidence in photo interpretation; Relief displacement and measurement of slopes and heights in air photos; interpretation of physical and human features on imageries.

**GPY 304: Elements of Surveying 2 Units**

Principles of Surveying; Measurement of distance and direction; Chain surveying, Compass Survey; Plane tabling; Area measurement; Correction of errors of closure; Height and slope measurements; Drafting of uncontoured and contoured maps; Rectangular coordinates and triangulation; Traversing with theodolites; Leveling.

**GPY 305: Philosophy and Methodology in Geography 3 Units**

Science and scientific methodology; Geography as an empirical science; Geography and cognate disciplines; Philosophy, Methodology and explanation in Geography, the development of geographic thought from the classical period; The early 21<sup>st</sup> century geography; The quantitative revolution in geography; Development of geography in Nigeria; The role of theories, law and models in explanation in Geography. Language for geography explanation; models for description and explanation in geography; The conceptual approach in geography.

**GPY 306: Spatial Organization and Planning 3 Units**

The concepts of location, distribution and occupation of space; Models of locational structure; Spatial interaction; Distance decay function; Location, evolution, patterns and changes of routes; Models of settlement evolution, distribution and hierarchies; Theories of agricultural location. Theories of industrial location; Location of administrative units and capitals.

**GPY 307: Biogeography 3 Units**

Ecosystem concepts and relevance in plant distribution; Evolutionary, paleographic and ecological factors of plants distribution, Basic Principles of Ecology, Primary biological productivity; Vegetation analysis; Environmental degradation and mitigation strategies; Biomes of the world; Savanna as alternative vegetation to forest in the tropics; Quantitative techniques in resource evaluation; Biogeographical basis for land evaluation.

**GPY 308: Population Geography 3 Units**

Population data as vital statistics; Procedures and problems of population data collection including censuses; Historical outline of world population growth; Patterns of population distribution and trends of change, Theories of mortality fertility and migration.

**GPY 309: Field and laboratory Techniques in Geography 3 Units**

Formulating the objectives of field work; Types of field surveys; Planning field work; Preparation of Questionnaire; Sampling Theory; Methods of field survey in various branches of geography; Analysis of Questionnaires; Laboratory analysis of water quality and soil properties; Presentation of survey results.

**GPY 310: Physical and Dynamic Climatology 3 Units**

The solar radiation as source of atmospheric energy; Advection; Heat and moisture exchanges in the surface layer or atmosphere; Stability, Convection and Turbulence; Thunderstorms; Air mass analysis fronts; Air masses and jet streams; Depressions and anticyclones; The general circulation of the atmosphere.

**GPY 311: Geomorphological Processes 3 Units**

Concepts of landform development: Davis, Penck, King, Thomas and Crikmay; Peneplanation, Panplanation, Pediplanation, Etchplanation; Effect of structure on relief; Relief on igneous, sedimentary, and metamorphic rocks; Tors, Castle, Koppes; Karst landform; Lateralization; Mass wasting; Slope development; Geomorphic peculiarities of, and landform in humid tropics.

**GPY 312: Industrial Geography 3 Units**

Industrial plant location problem; Factors of Industrial location; Trends in industrial location theory; Industrial location and time dimension; Plant relocation; Industrial inertial and evolution of industrial patterns; Industrial location and regional development; Environmental impact of industrial location; Urban regional industrial planning with special reference to Nigeria.

**GPY 313: Location of Service Centres 3 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.

**GPY 314: Soil Geography 3 Units**

Scope and nature of soil geography; Physical and chemical properties of soils; Soil formation; Soil profile; Soil classification; Soil of western Nigeria; Progress in soil mapping in Nigeria; Soil determination; accelerated soil erosion; Soil under shifting cultivation and tree crops; Methods of soil survey; Laboratory determination of soil properties – particle size distribution, bulk density, total porosity, pH, organic matter content, available phosphorous.

**GPY 315: Medical Geography 3 Units**

Scope of medical geography: Concept and history of geography of health and diseases; Spatial analysis of health and disease; concepts of epidemiology and their geographical application; Disease ecology; Spatial diffusion of disease; The geography of vectored and non-vectored diseases; The Geography of nutritional diseases; Health care delivery and planning with emphasis on primary health care; Disease mapping.

**GPY 401: Project/Original Essay I 3 Units**

The objective of this course is to give practical training of students in the processes of conducting scientific studies. At the end of the session, it is expected that candidates will submit a types report of their study following an approved format to the department. For the first semester, students will be expected to present for assessment the following; Title of Project, Statement of the problem of interest, Specific objectives, Methodology to be used and Literature Review.

**GPY 402: Project/Original Essay II 3 Units**

Students will be expected to present a complete report on their project. This will include all the reports prepared for GPY 401, the data collected, the procedures of analysis adopted, the discussion of the results, the implications of the findings and general conclusion.

**GPY 403: Quantitative Techniques in Geography 3 Units**

Measurement of spatial data, analysis of point linear and areal patterns; Quantitative and non quantitative surfaces; Surfaces in three dimensions; Comparisons between point, linear and areal patterns, Correlations, regressions and prediction based on spatial data; Classification techniques in geographical investigations; Mathematical models in description, explanation and prediction.

**GPY 404: Transportation Planning 3 Units**

Components of transport system; Processes and models of network evaluation and development; Optimization of transport and the spatial structure of the economy; Theory of transport and development; Travel demand forecasting techniques; Movement patterns within the city; Alternative models of urban transportation; Urban transportation problems; Transportation related urban land use models; Role of transportation in the urban spatial economy; Strategies of urban transportation planning process.

**GPY 405: Environmental Impact Assessment (EIA) 3 Unit**

Environment and sustainable development; Institutional framework for environmental management; Principles and Basic concepts of EIA; Methods of executing EIA; Preparation of EIA Report; Introduction to Environmental Auditing.

**GPY 406: Urban Design 3 Units**

Formation of urban settlement pattern; Spatial structure of town plans; Crystallizing elements in town plans; Planning for activity areas; New towns, Elaboration of urban master plans; Processes of urban design elaboration.

**GPY 407: Regional Geography of West Africa with special reference to Nigeria**

**3 Units**

The physical environment of West Africa and its relationship with patterns of human activities, The geographical basis of ECOWAS, Areal differentiation based on systematic geography, The geographical regions of Nigeria, The states and the river basin as the bases for national planning and development.

**GPY 408: Regional Planning Problems 3 Units**

Definition planning and regions, Regional and local planning; Regional inequality allocation; Identification of problem region; problems of planning data; Regional planning strategies; labour migration, industrial location, transportation planning; Growth centre policies.

**GPY 409: Spatial Analysis of Agricultural Activities in Nigeria 3 Units**

Patterns of agricultural systems in Nigeria - peasant farming, plantation agriculture, mechanized farming, irrigation agriculture, livestock husbandry; Diffusion of agricultural innovations, agricultural innovations, agriculture and rural development, transportation and agricultural development: National Agricultural Policies, Mapping agricultural resources.

**GPY 410: Urbanization Processes 3 Units**

Defining urban centre; Theory and realities of urbanization processes; Spatio – temporal trends urbanization; Pre-industrial cities’ The western city; Size and classification of cities; The city and region areas; Cities as systems; Internal structures of cities; Urban land use patterns; Functional specialization of urban areas.

**GPY 411: Administrative and Political System 3 Units**

A study of the development and philosophy of political geography including detailed analyses of different objectives and methodologies in the discipline; Factors influencing the creation of political units at national and sub national levels; the evaluation of political boundaries and associated problems; Location of capitals; Creation of electoral districts and attendant problems; A study of selected examples to illustrate the principles and problems of political geography including detailed studies of Nigeria and other countries from African and other continents.

**GPY 412: Terrain Analysis 3 Units**

Methods of field observations; Geological background to terrain analysis; Concepts in terrain analysis; Morphometric analysis; Slope mapping; Morphological mapping; Geomorphological mapping; Determination of physical and chemical properties of soil in the field and laboratory; The soil basis for land evaluation and land capability mapping; purposes of vegetation mapping; Vegetation description and analysis, Vegetation mapping techniques; Uses of Vegetation maps; Field techniques in vegetation analysis.

**GPY 413: Principles of Land Evaluation 3 Units**

Concepts and practices of applied physical geography; Purpose and scope of land resources studies; History, development and methodology of land evaluation; Principles relating to the nature of vegetation as a component of natural landscapes; Remote sensing and other techniques of data collection and analysis; Cost/benefit analysis in Land Evaluation.

**GPY 414: Land use Planning 3 Units**

Scope and nature of land use planning; Rural and urban land use theories; Patterns of land use; Models of land use; Rural settlement patterns; Urban – Rural interdependence and Planning implications; Land evaluation and land use planning; Land use information systems; land uses decision making process; Agricultural land use planning.

**GPY 415: Principles of Hydrology 3 Units**

Definition and scope of hydrology; Trends in Hydrology; The hydrologic unit; Precipitation, interception, infiltration and soil moisture, evaporation and evapotranspiration; Runoff and floods – the hydraulic and mechanics of flow; Runoff generation; contributing areas; Morphometry and runoff frequency; erosion by water on hill slope; Sediment transport process.

**GPY 416: Microclimatology 3 Units**

Definition and scope of microclimatology; Identification of microclimates; Heat and moisture fluxes in the biosphere; microclimates in relation to landforms, water bodies and vegetation; Man induced microclimates; the climates of cities and large manufacturing centres; Factors of Climate Change; Impacts of Climate Change; Coping with climate change.

**GPY 417: Advanced Cartography 3 Units**

Co-ordinate and reference systems; The principal map projections of the sphere, their properties and usage; Classification of map projections of spheroid used for geodetic computations; Cartographic history in Nigeria.

**GPY 418: Water Resources Evaluation 3 Units**

Water resources; Sources and distribution; Approaches to water resources evaluation; Quantitative and qualitative approaches; Water balance approach; Need for evaluation; Methods of measuring rainfall - manual rain gauge, recording gauge and gauge distribution; Analysis and interpretation of rainfall data - (i) rainfall distribution, intensity and frequency; (ii) Areal average - Thiessen, Arithmetic and isohyetal methods; (iii) Volume measurement; Evapotranspiration - Measurements (infiltrimeters and soil moisture status); Stream flow (i) Stage - types and location of gauge (ii) discharge - velocity, cross sectional area measurements, other discharge measurements, rating relationship (iii) Hydrographs, determination of total runoff (iv) flow frequencies, total yield, runoff coefficients (v) flow variability and recession (vi) Hydrology or reservoirs - runoff estimation, storage and demand curve. Water Quality - measurement and analysis (i) solute (ii) suspended (iii) bed load and yield.

**GPY 419: Remote Sensing Platforms, Sensors and System 3 Units**

Review of Remote Sensing Principles; Overview of platforms - aircrafts, satellites; Examination of the various satellites generating spatial data; various types of sensors - their limits and advantages; Tracking satellite data.

**GPY 420: Remote Sensing Applications 3 Units**

Application of the various imageries in resource evaluation and management, agriculture, forestry, hydrology, wildlife management and urban area analysis. The course involves a compulsory field visit and extensive laboratory work.

**GPY 422: Application of Geographic Information Systems (GIS) 3 Units**

The application of GIS to urban and rural land use planning, resources planning and conservation, transport planning and management and various other aspects of spatial policy decision making. The course involves an extensive computer based laboratory work.

**GPY 424 Ecology of Natural Resources 3 Units**

Nature of Resources; Man and the natural Environment; Sustainability in the use of resources; Policies, laws and regulations on natural resources; Instruments of Environmental protection, Conflicts in Resources Conservation; Economic, cultural, politics and social considerations in resource conservation and management; Watershed management and nature reserves; Wildlife conservation in Africa; Emerging issues in Resources conservation.