

**FEDERAL UNIVERSITY,
OYE-EKITI,**

EKITI STATE, NIGERIA



FACULTY OF SCIENCE

**DEPARTMENT OF
GEOPHYSICS**

**DEPARTMENTAL UNDERGRADUATE
PROSPECTUS**

2017 – 2020

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Prof. O. S. Lawal
Dean,
Faculty of Science



Professor Isaac B. Osazuwa
Head of Department

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ABOUT THE DEPARTMENT

1.0 BRIEF HISTORY OF THE DEPARTMENT

The Department of Geophysics is one of the seven (7) Departments established in the Faculty of Science of the University at inception in February, 2011 with ten (10) students who were admitted through UTME and Post-UTME conducted by the University. Mr. A.O. Fajana assumed office as the pioneer lecturer while Mrs. O.G. Olaseeni joined him three (3) months after. The departmental courses were coded GPY. The Academic Programme is designed/structured in line with the Nigerian University Commission (NUC) specification. The prominent feature of the programme is the exposure of all intending *B.Sc. Geophysics* graduate to courses in major areas of Geophysics as well as to computer science. This is to ensure a high level of competence of the graduates of Geophysics and also to increase their flexibility in fitting into diverse career and industry.

2.0 PROGRAMME PHILOSOPHY

The programme is intended to provide mission-oriented geoscience knowledge and expertise to all the students that go through the programme and equip them with the necessary skills to have adequate knowledge of the composition of the Earth's subsurface and be able to fully exploit the earth's natural resources for national development.

3.0 PROGRAMME AIM AND OBJECTIVES

The programme aims at bringing together the ingredients necessary for a well-paid career as required in the mineral/oil industry and engineering/groundwater-related areas of the national economy and in the relevant government establishments. Opportunities for the attainment of academic excellence through effective teaching and research in all aspects of Geophysics are also provided. The specific objectives of the Department are among others, to:

- i. impact basic and fundamental knowledge in all areas of Geophysics.

- ii. provide the necessary training and exposure in all aspects of Geophysics that is in the forefront of development such as in hydrocarbon and groundwater exploration, environmental pollution, dam site, roads and other civil engineering construction site investigations.
- iii. provide opportunity for a better appreciation of fields with the use of integrated Applied Geophysics at maximizing growth and technological development in all aspects of explorations.
- iv. develop the necessary manpower needed for industrial, technological, research, and academic development of the country in all aspects of Geophysics.
- v. provide effective teaching, research and practical oriented/field work programme that is required in all the fields of Geophysics.
- vi. offer the opportunities for the full development of Applied Geophysics to meet the ever growing challenges as is applicable in the industry, private sector and government services, for the overall growth and development of the country and mankind in general.

4.0 STUDENT ADMISSION AND GRADUATION POLICY OF THE UNIVERSITY

4.1 Admission Policy

- (a) Candidates seeking admission to the University for First Degree Courses must obtain and complete the Joint Admissions and Matriculation Board (JAMB) forms.
- (b) For admission to all courses, candidates must satisfy the admission requirement of the University for some Courses, additional Faculty/Department requirements have to be satisfied.
- (c) New Admissions will normally be made only/in September/October every year.
- (d) At the time of registration in the University each candidate will be required to present the originals of the certificates or any other acceptable evidence of the qualifications on the basis of which the offer of admission has been made.

- (e) If it is discovered at any time that a candidate does not possess any of the qualifications, which he/she claims to have obtained, he/she will be expelled from the University.
- (f) Students shall, on admission pay to the university, all the fees prescribed by regulations.

4.1.1 General Admission Requirements for all Programmes

The admission requirements into the undergraduate programmes of the Federal University Oye–Ekiti shall be as follows:

- (i) Admission into the University shall be open to all irrespective of religion, ethnic group, gender, creed and disability;
- (ii) All admissions into the University shall be through the Joint Admissions and Matriculation Board (JAMB);
- (iii) For admission to 100 Level (via UTME), candidates must: obtain five (5) credits at SSCE (or equivalent) in relevant subjects at not more than 2 sittings including credit passes in English and Mathematics; and attain acceptable point in UTME in relevant subjects;
- (iv) For admission by direct entry (200 Level), candidates shall, in addition to having five (5) SSCE credits, obtain at least two (2) A' level (or its equivalent) passes in relevant subject, or possess ND, NCE, HND, with credit passes, or possess a good first degree in another field as the case may be;
- (v) Credit passes in English Language, Mathematics and Physics shall be compulsory for admission into Geophysics;
- (vi) Those who meet the requirements for admission shall be subjected to screening interview to be conducted by the University; and
- (vii) The University shall not accept transfer students until after at least the first two years of its existence.

Potential students must, in addition to meeting the general admission requirements, also satisfy the faculty and departmental requirements detailed below.

Programme	Admission Requirements		Remarks
	UTME	Direct Entry	
Geophysics	Five Credits at SSCE (or its equivalent) including English, Mathematics, Physics and Chemistry.	Two 'A' level passes in Physics and Mathematics or Chemistry.	UTME subjects are; English, Physics, Mathematics and Chemistry.

5.0 PROBATION, EXPULSION, WITHDRAWALS

5.1 Probation

Students shall be placed on probation whose academic performance, measured by the Cumulative Grade Point Average (CGPA), falls below 1.0 at the end of a year study. Such students shall register for the courses failed as well as some courses from the next level provided the total credit load taken shall not exceed the maximum allowed. A student whose CGPA falls below 1.0 at the end of a probation period shall be required to withdraw from the programme of study without prejudice to being admitted into another programme in the university.

5.2 Withdrawal of Students

5.2.1 Voluntary Withdrawal

Conditions for voluntary withdrawal from the Federal University Oye-Ekiti shall be as follows:

- i. A student who wishes to withdraw from the university shall be required to notify the Registrar in writing through the Dean of the Faculty and the Head of Department and the withdrawal shall be approved by the Senate;
- ii. New students shall give notice of withdrawal not later than two weeks after matriculation. Other students shall give notice of withdrawal not later than four weeks after the beginning of the semester;

- iii. A student withdrawing from the university shall be required to give the reason(s) for and the effective date of the withdrawal;
- iv. The university shall refund fees paid in excess of the period spent in the University;
- v. A student shall retain grades earned for the semester examinations preceding the date of voluntary withdrawal;
- vi. A student who voluntarily withdraw from the University shall, in order to be re-admitted, send a formal application to, and receive clearance from the Registrar; and
- vii. Senate shall provide guidelines to be followed before a student who voluntarily withdrew can resume the programme of study after a period of withdrawal.

5.2.2 Withdrawal without Authorization

A student who withdraws from the Federal University Oye-Ekiti without the approval of the Senate shall only be considered for readmission after the case has been addressed by the appropriate authority and the approval of Senate obtained for readmission.

5.2.3 Withdrawal for Health Reasons

A student shall be asked to withdraw for health reasons certified by the University's Director of Health Services or by a recognized hospital. Such a student may be readmitted only after a valid medical report from an approved medical doctor and certified by the Director of the Health Centre had been received to the effect that the student is medically fit to continue the programme.

5.3 Disciplinary Withdrawal and Expulsion

A student suspended on disciplinary grounds shall only be readmitted with the approval of the Senate and the Vice-Chancellor. A student shall be expelled from the Federal University Oye-Ekiti as a result of gross misconduct, examination malpractice or any other offences as determined by laws and regulations of the University. Such a student shall be given the

opportunity to defend him/herself, but shall not be readmitted to the University at any other time if expelled.

6.0 TRANSFER OF STUDENTS

A student may be considered for transfer from another university in Nigeria or a recognized university abroad to the Federal University Oye-Ekiti at 200 level of a similar programme for a 4-year programme respectively provided the candidate has attained a CGPA of not less than 2.0. Also, no programme shall accept students on transfer until after it had graduated its pioneer students.

7.0 GRADING SYSTEM AND REQUIREMENT FOR GRADUATION IN THE PROGRAMME

This describes the grading system used in the evaluation of students and the requirements for graduation in a degree programme. It also explains how repeats in final examinations are handled.

7.1 Academic Grading System for Graduation

7.1.1 Students Work Load

The maximum number of units a student can register for is 24 per semester. The minimum number of units a student can register for is 15 per semester.

Grading System

Mark	Letter Grade	Grade Points
70-100	A	5
60-69	B	4
50-59	C	3
45-49	D	2
40-44	E	1
0-39	F	0

7.2 Computation of Results

The following terminologies and abbreviations are commonly used in the computation of Grade Point Average (GPA)

7.1.1 Total Load Units (TLU)

This is the 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 taking 6 courses of 3 units each has TLU of 18 for that semester.

7.1.2 Cumulative Load Units (CLU)

This is the summation of Total Load Units over all the semesters from the beginning to date. A student who is prone to repeating courses will finish (if he does not drop out) with a higher CLU than his non-repeating colleagues, and will most likely require a longer time to complete requirements for the award of degree.

7.1.3 Total Credit Points (TCP)

This is the sum of the products of course units and rating in each course for the entire semester or re-sits period. For example, consider a student who took 4 courses of 3 units each. Suppose the grades he obtained in the four courses were A, B, C and D respectively. The TCP of this student is obtained as:

$$(3 \times 5.0) + (3 \times 4.0) + (3 \times 3.0) + (3 \times 2.0) = 15.00 + 12.00 + 9.0 + 6.0 = 42.00$$

7.1.4 Cumulative Credit Point (CCP)

This is the summation of Total Credit Points over all semesters from the beginning to date.

7.1.5 Grade Point Average (GPA)

This is the total credit points (TCP) divided by the total load (TLU). For example, consider the student's scores referred to in Number 3. His TCP is 42.0 and his TLU is 12. His GPA is therefore;

$$GPA = \frac{42}{12} = 3.50$$

The highest possible 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.

7.1.6 Cumulative Grade Point Average (CGPA)

This is not the summation of GPA’s for semesters. Rather, it is the summation of TCP for all semesters to date, divided by the summation of TLU for the said semesters. Like the GPA, CGPA’s obtainable range from 0.0 to 5.0.

$$\text{In effect, } CGPA = \frac{CCP}{CLU}$$

7.2 Final Assessment and Class of Degree

Class	CGPA
First Class	4.50-5.00
2 nd Class Upper Division	3.50-4.49
2 nd Class Lower Division	2.40-3.49
3 rd Class	1.50-2.39

7.3 Carry over Courses

A student who is unable to graduate due to a number of outstanding courses would be required to register and sit for the failed courses when available, that is either during the first, or the second semester. This category of students would simply be called “Non-graduating students”.

8.0 GENERAL ACADEMIC REGULATIONS FOR DEGREE COURSES

8.1 Registration Procedure

- Registration for a course shall normally be within the first two weeks of resumption in a semester.
- Late registration shall only be allowed after payment of the late registration fee and shall come up within the week following the normal registration period.

- Any student who fails to register up to the end of the late registration period shall be deemed to have unilaterally withdrawn from the University for that semester.
- Registration for a course shall mean simultaneous registration for the course and its examination.
- A student may drop a course or add a course provided he/she completes the prescribed form within four weeks of the commencement of lectures in the course and obtains the approval of his/her Head of Department.
- The maximum Total Load Unit (TLU) to be carried by a student is 24 units per semester and the minimum is 15. If it is established that student illegally registered for more than the maximum number of units, the best course that makes excess unit(s) shall be cancelled. Where a student has lower level course(s) outstanding, such a lower level course(s) should be registered for at the next available opportunity before registering for the higher level courses equivalent to the number of outstanding lower level courses.

Every student shall register in person and cases of impersonation will be punished. Submission of course registration forms on behalf of any other student shall be treated as impersonation and shall, be punished.

- Completed course registration forms duly signed by the Head of Department should be forwarded to the Registrar not later than six weeks from the beginning of the semester.
- The list of students registered for each course shall be forwarded to the Teaching Department and the Registry not later than eight weeks from the beginning of the semester.

9.0 EXAMINATION REGULATIONS AND DISCIPLINARY ACTIONS

9.1 Requirements for the Examination

- In order to be eligible for a course examination, a student shall be expected to attend a minimum of 80% of the lecture, tutorials, practical and classes for the course in which he/she is registered. In

this regard, course lecturers shall obtain and keep records of attendance.

- Once a student has registered for a course and he/she has not withdrawn from the course by the middle of the semester, he/she is automatically deemed to have registered for the course examination.
- No student who has been entered for an examination shall postpone or withdraw from the examination except on acceptable medical grounds, and in consultation with the Head of Department and the Dean of the Faculty.
- Candidates who fail to present themselves for an examination for reasons other than illness, accident or some exceptional circumstances shall be deemed to have failed the course. Any student absent on the ground of illness must produce a medical report certified by the University Director of Health Services.

9.2 Components of Examination

Final grades in courses shall comprise continuous assessment and end- of course examinations in the theory, practical, studio, oral examination, Seminars, SIWES, and others as otherwise specified.

9.3 Continuous Assessment

Students' achievement shall be based on continuous assessment of the course and final examinations. For continuous assessment, there shall normally be at least two tests/assignments. The student shall be periodically informed of his/ her standing in the course. The final examination for each course shall normally be at the end of the semester in which the course is offered. Such final examination will normally comprise a theory paper, a practical/oral examination. The course grade will be made up of the student's score in the continuous assessment as well as the end-of course examination. The continuous assessment shall carry a maximum mark of 40% unless otherwise specified.

9.4 Instructions to Candidates

- A candidate shall be admitted into the examination hall on production of his/her student identity card, and be properly identified to avoid impersonation.
- Candidates must attend punctually at the times assigned for their papers and must be ready to be admitted into the examination hall ten minutes before the time the examination is due to start.
- Candidates shall not be permitted in any circumstances to enter the examination hall more than fifteen minutes before the time appointed for the commencement of the examination. Candidates arriving more than half an hour after the examination has started shall be admitted only at the discretion of the Chief Invigilator. Candidates who come late shall not be allowed extra time.
- Similarly, except with the special permission of the Chief Invigilator candidates must not leave the examination hall during the first half and the last quarter of an hour of the examination. Outside those periods candidates with the special permission of the Chief Invigilator, may leave the room temporarily and then only if accompanied by an official.
- No books or any unauthorized materials shall be brought into the examination hall. Candidates may bring with them only authorized materials such as pens, pencil, erasers and any such other materials which they are specially allowed to bring to the examination hall. Programmable calculator, accounting calculator, desktop/laptop/notebook/hand-held computer, data banks may only be brought to the examination hall with the permission of the Chief Examiner.
- While the examinations is in progress, communication between candidates is strictly forbidden, and any candidate found to be giving or receiving irregular assistance, cheating or aiding and abetting any irregularity in an examination shall face disciplinary actions.
- Silence must be observed in the examination hall. The only permissible way of attracting the attention of the invigilator is by the Candidate raising his/her hand.

- The use of scrap paper is not permitted. All rough work must be done in the answer sheets and crossed out neatly.
- Supplementary answer booklets, even if they contain only rough works must be tied inside the main answer booklet,
- Candidates are advised in their own interest to write legibly and avoid using faint ink, Answers must be written in English, except otherwise instructed,
- Before handling in their scripts at the end of the examination, candidates must satisfy themselves that they have inserted at the appropriate places their matriculation numbers and the numbers of the questions they have answered,
- It shall be the responsibility of each candidate to personally hand in his/her scripts before he/she leaves the examination hall. Except for the questionpapers and any materials they have permission to bring with them candidates are not allowed to remove or mutilate any paper or material supplied by the University.
- Candidates must personally complete attendance sheet and submit same to the Invigilator as evidence of taking the examination before leaving the hall.
- Mobile phones/sets or radio communication sets are not permitted in the examination hall.

10.0 EXAMINATION MISCONDUCT

10.1 Misconduct before Examination

Involvement in and bearing responsibility for examination question leakage: **Penalty** - Expulsion from the University.

Participating in or benefiting from question leakage: **Penalty** - Expulsion from the University.

Attempting to participate in and, or benefit from examination question leakage:

Penalty - Suspension for two semesters.

Coming into the examination hall within 30 minutes of the commencement of an examination:

Penalty - The candidate should be allowed into the examination hall but should not be given extra time.

Coming into the examination hall later than 30 minutes after the commencement of an examination:

Penalty - The candidate should not be allowed into examination hall and should be scored zero (F) in the course examined.

10.2 Misconduct during examinations

Sitting for an examination for which a candidate did not register for or qualify to sit for:

Penalty - The result of the candidate in the course should be nullified. He/she' should be scored zero (F) and be issued a letter of warning.

Representing or standing in for another in the course of an examination: **Penalty** - Expulsion from the University.

Conniving with another candidate/student/person to represent or standing in for another candidate in an examination:

Penalty - Expulsion from the University.

Destroying, effacing, mutilating or swallowing of potentially incriminating material relating to a course during the course of an examination:

Penalty - Suspension for two semesters. In addition, the candidate should be scored zero (F) in the course.

Displaying of inappropriate or anti-social behaviour (e.g. smoking, singing, cat calls, etc) capable of causing delay and/or disruption of an examination process.

Penalty - Suspension for one semester.

Displaying of inappropriate or anti-social behaviour leading to disruption and suspension of an examination:

Penalty - Suspension for two semesters.

Giving, or receiving, or in any way benefiting from information relating to a course in an examination through electronic, personal dress material, part of the body in any manner or form whatsoever:

Penalty - Suspension for two semesters.

Leaving the examination hall without the permission of the Invigilator:

Penalty - Letter of warning. In addition, the candidate should be scored 0 (F) in the course examined.

Leaving the examination hall with examination material before the end of the examination without the permission of the Invigilator:

Penalty - Suspension for two semesters.

Substituting or exchanging answer script(s) given to a candidate in whatever manner or form during the examination:

Penalty: Expulsion of all the students involved from the University.

Exhibiting insulting, rude, impolite behaviour to another student during the course of an examination:

Penalty: Letter of warning.

Exhibiting insulting, rude, impolite behaviour to a staff during the course of an examination:

Penalty - Suspension for two semesters.

Physical assault on another student during the course of an examination:

Penalty: Suspension for two semesters.

Physical assault on staff during the course of an examination:

Penalty: Expulsion from the University.

Talking to or communicating with another candidate without due permission during the course of an examination:

Penalty - Letter of warning.

Bring in prohibited/unauthorized material(s) into the examination hall by a candidate without proven evidence of using the material(s):

Penalty - Suspension for one semester. The candidate should also be scored 0 (F) in the course.

Bring in unauthorized material(s) into the examination hall by a candidate with proven evidence of using the material(s) or any part thereof:

Penalty: Suspension for two semesters. The candidate should also be scored zero (F) in the course.

Failure by a candidate to submit his/her answer script after taking part in an examination:

Penalty - Suspension for two semesters. In addition, the candidate should be scored zero (F) in the course.

Giving/receiving irregular assistance, cheating or aiding and abetting by a candidate/student in an examination:

Penalty - Suspension for two semesters.

10.3 Misconduct after Examination

Involvement in an attempt to substitute or change or remove or effect changes in examination script(s), record sheet(s), attendance register or any examination related material/document:

Penalty - Expulsion from the University.

Gentle/subtle exertion of influence with a view to obtaining undue advantage in the grading of scripts or award of marks on an internal or external examiner:

Penalty: Letter of warning.

Non-gentle/non-subtle exertion of influence with a view to obtaining undue advantage in the grading of scripts or award of marks by an internal or external examiner:

Penalty - Expulsion from the University.

Any case of impersonation and, or conspiracy with impersonator during an examination:

Penalty - Expulsion from the University.

Talking to or communicating with another candidate without due permission during the course of an examination:

Penalty - Letter of warning.

Bring in prohibited/unauthorized material(s) into the examination hall by a candidate without proven evidence of using the material(s)

Penalty - Suspension for one semester. The candidate should also be scored zero (F) in the course.

Bring in unauthorized material(s) into the examination hall by a candidate with proven evidence of using the material(s) or any part thereof:

Penalty - Suspension for two semesters. The candidate should also be scored 0 (F) in the course.

Failure by a candidate to submit his/her answer script after taking part in an examination:

Penalty - Suspension for two semesters. In addition, the candidate should be scored zero (F) in the course.

Giving/receiving irregular assistance, cheating or aiding and abetting by a candidate/student in an examination.:

Penalty - Suspension for two semesters

10.4 Computation of Examination Results

- There shall be a departmental panel of examiners to consider all examination results before they are presented to the Faculty Board of Examiners.
- Computation of examination results shall be the responsibility of each Chief Examiner/Head of Department. Computed results

must be taken to the Faculty Board of Examiners for consideration.

- The master marks sheets or results must be signed by the Chief Examiner of that department.
- The Faculty's Board of Examiners shall take measures to ensure the correctness of all results presented to it before they are passed to the Board of Studies for consideration and ratification for presentation to Senate.

-

10.5 Release of Examination Result

- The results of each semester examination, signed by the Dean concerned shall be published not later than 24 hours after the meeting of the Faculty's Board of Examiners and shall remain provisional until approval by Senate.
- After Senate approval, the result shall be forwarded to the Registrar who shall have the responsibility of informing the students and their sponsors of the results
- The seasonal results shall be released to the students before the beginning of the following session.
- All amended results executively approved by the Vice-Chancellor shall come before Senate for ratification.

11.0 ADMISSION REQUIREMENTS

(a) UTME Admission:

Admission into 100 level is through the University/Tertiary Matriculation Examination (UTME) and University administered Post-UTME and Pre-Degree Science Programme (PDS). To be eligible for admission, candidates are expected to obtain credits in at least five subjects including English Language, Physics, Mathematics and Chemistry at not more than two sittings in the West African Senior School Certificate Examination (WASSCE), NECO, General Certificate of Education Ordinary Level (GCE, O/L) or their equivalent.

UTME Subjects: English Language, Physics, Mathematics and Chemistry.

(b) Direct Entry

Candidates may be admitted to 200 Level if they have:

- i. satisfied the general entry requirements for the University as specified in (a) above; and
- ii. obtained National Diploma (with a minimum of Upper Credit) or equivalent in Laboratory Technology (Geophysics and Geology Option), Mining, Civil and Electrical/Electronic Engineering or any other course adjudged relevant by the Department; or
- iii. good passes at GCE (Advanced Level) or its equivalent in at least two of the following subjects: Physics, Mathematics and Chemistry.

12.0 PROGRAMME DURATION

This programme is essentially a 4 or 3 year programme. Those who are admitted with WASSCE, SSCE and UTME certificates spend four years (eight semesters) and those admitted with diplomas spend three (3) years (six semesters), starting at the second year of the programme to obtain a Bachelor of Science degree in Geophysics. However, if the student fails to graduate at the end of the normal academic sessions, he/she would not be allowed to exceed a total of 12 semesters for UTME students and 9 semesters for direct entry students.

13.0 REQUIREMENTS FOR GRADUATION

13.1 University Graduation Requirements

The Federal University Oye-Ekiti shall require its undergraduate students to take and pass all courses specified and offered, including industrial attachment where applicable, by the faculty/department and approved by the senate before graduating from the chosen programme of study. The minimum pass mark shall be 40% (E) for all courses offered in the Federal University, Oye-Ekiti, except in selected professional courses where the pass mark shall be 50% (C). A student shall repeat a course in which he failed to obtain the minimum pass grade so as to be used in computation of CGPA. Other undergraduate graduation requirements are:

- i. The Federal University Oye-Ekiti shall award its degrees on the authority of Senate only to students who have been found worthy in character and in learning;
- ii. Students shall successfully complete and pass all prescribed examinations for courses required for a degree programme;
- iii. Students shall not be involved in gross misconduct, such as, but not limited to: examination malpractice; conviction on felony; other convicted criminal offences; and association with or membership of secret cult or of any organization prescribed by the university or government;
- iv. Students shall submit a research project which shall, as much as possible, develop the research skills of students;
- v. Students shall be required to complete their studies in not more than one and a half times the normal duration of the programme to qualify for an Honour's degree except in cases of ill-health or as determined by Senate;
- vi. For a student to be in good academic standing, the student must obtain a minimum cumulative grade point average of 1.0 at the end of each session. A student who fails to do so shall be placed on academic probation. If at the end of the probation year the CGPA still falls below 1.0, such a student shall be asked to withdraw from the programme registered without prejudice to being admitted into another programme in the University;
- vii. Students who attain a CGPA of less than 1.0 shall first register their backlog of required courses before they can, within the ceiling of 48 credit units, be allowed to register for other courses;
- viii. Students who absent themselves for two consecutive semesters without a valid reason may be asked to withdraw from the University, irrespective of their CGPA;
- ix. Students, for good reason and with the approval of Senate and upon recommendation by the Dean, may suspend their programme of study for a maximum of one calendar year; and

- x. Students who transfer from one programme to another or from another University may be credited with those course credit units earned which are relevant to the curriculum of the new programme.

13.2 Departmental Graduation Requirements

To be eligible for the award of B.Sc. in Geophysics, a student is expected to have:

- (a) passed all departmental compulsory or core courses, University/School required courses as well as the electives taken;
- (b) accumulated a minimum of 156 course units for students admitted through the UTME and 117 course units for direct entry students and obtained a CGPA of not less than 1.0;
- (c) completed successfully all industrial attachment training, seminars and project.

In addition, students who are admitted by direct entry are expected to audit and pass the following University required courses – GST101, 102, 103,105, 106 and 108/110. If a student fails any of the courses, he/she will be required to offer it formally.

Language of Instruction: English Language

14.0 COURSE OUTLINES

14.1.1 100 LEVEL FIRST SEMESTER

Course Code	Course Title	Pre-requisite	Status	L	T	P	Credit Units
GST 101	Communication in English I		R	2	0	0	2
GST 103	Use of Library and ICT		R	2	0	0	2
GST 105	Introduction to Entrepreneurship		R	1	0	0	1
CHM 101	General Chemistry I		C	2	1	0	3
CHM 107	Practical Chemistry I		C	0	0	3	1
PHY 101	General Physics I		C	2	1	0	3
PHY 107	Practical Physics I		C	0	0	3	1
MTH 101	Elementary Mathematics I		C	2	1	0	3
MTH 103	Elementary Mathematics III		C	3	-	-	3
CSC 101	Introduction to Computing I		R	2	0	0	2
	Total Credit Units (Compulsory)						21
	Total Credit Units (Elective)						0
	Total Credit Units						21

14.1.2 100 LEVEL SECOND SEMESTER

Course Code	Course Title	Pre-requisite	Status	L	T	P	Credit Units
GST 102	Communication in English II		R	2	0	0	2
GST 106	Evaluating Opportunities & Business Concept		R	1	0	3	1
GST 108/ GST 110	Government, Society & Economy/ African Culture & Civilization		R	2	0	0	2
CHM 102	General Chemistry II		C	2	1	0	3
CHM 108	Practical Chemistry II		C	0	0	3	1
PHY 102	General Physics II		C	2	1	0	3
PHY 108	Practical Physics II		C	0	0	3	1
MTH 102	Elementary Mathematics II		C	2	1	0	3
MTH 104	Elementary Mathematics III		R	2	1	0	3
CSC 102	Introduction to Computing II		R	2	0	0	2
GLY 102	Earth History		C	2	0	3	3
	Total Credit Units (Compulsory)						24
	Total Credit Units (Elective)						0
	Total Credit Units						24

14.2.1 200 LEVEL (FIRST SEMESTER)

Course Code	Course Title	Pre-requisite	Status	L	T	P	Credit Units
GST 203	Feasibility Plans & Investment Decision		R	1	0	0	1
GST 205	Introduction to Philosophy, Logic & Human Existence		R	2	0	0	2
MTH 201	Mathematical Methods I	MTH 101, 104	C	3	0	0	3
PHY 201	Modern Physics and Special Relativity		C	3	0	0	3
PHY 205	Thermal Physics		C	3	0	0	3
CSC 201	Computer Programming I		C	2	0	0	2
GPY 201	Introduction to Earth Physics		C	3	0	0	3
GLY 201	Physical Geology		C	2	0	0	2
PHY 203	Electric Circuit and Basic Electronics	PHY 102	E	3	0	0	3
	Total Credit Units (Compulsory)						19
	Total Credit Units (Elective)						3
	Total Credit Units						22
GPY 211	Introduction to Earth Science (for Water Resources)		E	2	0	0	2

14.2.2 200 LEVEL (SECOND SEMESTER)

Course	Course Title	Pre-	Stat	L	T	P	Credit
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Code		requisite	us				Units
GST 202	Peace Studies & Conflict Resolution		R	2	0	0	2
GST 204	Resources Management and Organizational Behavior		R	1	0	0	1
MTH 202	Elementary Differential Equations	MTH 104	C	3	0	0	3
MTH 232	Statistics for Physical Sciences and Engineering		R	2	1	0	3
PHY 204	Waves and Optics		C	3	0	0	3
GPY 202	Introductory Geomathematics	MTH 102, 201 & 202	C	2	0	0	2
GLY 206	Geological Map Interpretation and Field Mapping		C	1	0	3	2
CSC 208	Computer Programming II	CSC 201	E	3	0	0	3
PHY 210	Introduction to Space Science		E	2	0	0	2
	Total Credit Units (Compulsory)						16
	Total Credit Units (Elective)						5
	Total Credit Units						21

*Students are to offer at least one elective except if they have more than enough carry-over courses.

14.3.1 300 LEVEL (FIRST SEMESTER)

Course Code	Course Title	Pre-requis	Statu s	L	T	P	Credit Units
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		ite					
MTH 303	Vector and Tensor Analysis	MTH 104, 201	C	3	0	0	3
PHY 303	Electromagnetic Theory I		C	3	0	0	3
GPY 301	Electrical Resistivity Prospecting Methods		C	3	0	3	3
GPY 303	Magnetic Prospecting Methods		C	2	0	3	3
GPY 305	Gravity Prospecting Methods		C	2	0	3	3
GPY 307	Seismic Refraction Methods		C	2	0	3	3
GLY 301	Sedimentology		C	2	0	3	3
	Total Credit Units (Compulsory)						21
	Total Credit Units (Elective)						0
	Total Credit Units						21
GPY 311	Principles of Geophysics (for Geologists)		E	2	1	0	2

14.3.2 300 LEVEL (SECOND SEMESTER)

Course Code	Course Title	Pre-requisite	Status	L	T	P	Credit Units
GPY	Seismic Reflection		C	3	0	0	3

302	Methods						
GPY 304	Radiometric Prospecting Method		C	3	0	0	3
GPY 310	Independent Geophysical Field Work		C	0	0	9	3
GLY 304	Principles of Stratigraphy		C	1	0	3	2
GLY 308	Photogeology and Remote Sensing		C	2	0	3	2
GLY 310	Structural Geology		C	2	0	3	3
GLY 314	Geological Mapping Techniques		C	0	0	3	1
	Total Credit Units (Compulsory)						17
	Total Credit Units (Elective)						0
	Total Credit Units						17

14.4.1 400 LEVEL (FIRST SEMESTER)

Course Code	Course Title	Pre-requisite	Status	L	T	P	Credit Units
GPY 399	Industrial Training/SIWES		C	0	0	9	6
GPY 401	Geophysical Time Series Analysis		C	3	0	0	3
GPY 403	Well Logging		C	3	0	0	3
GPY 405	Electromagnetic Prospecting Methods		C	3	0	0	3
GPY 407	Geophysics and Geothermal Energy		C	3	0	0	3
GLY 401	Engineering Geology		R	2	0	0	2
GLY 403	Petroleum Geology		C	2	0	3	3
	Total Credit Units (Compulsory)						23
	Total Credit Units (Elective)						0
	Total Credit Units						23
GPY 413	Applied Geophysics (for Geologists)		E	2	0	3	3

14.4.2 400 LEVEL (SECOND SEMESTER)

Course Code	Course Title	Pre-requisite	Status	L	T	P	Credit Units
GPY 402	Environmental Geophysics		C	3	0	0	3
GPY 404	Groundwater Geophysics		C	3	0	0	3
GPY 406	Engineering Geophysics		C	3	0	0	3
GPY 408	Geophysical Seminar		C	2	0	0	2
GPY 410	Special Topics and Case Histories		C	1	0	0	1
GPY 499	Research Project		C	0	0	9	6
	Total Credit Units (Compulsory)						18
	Total Credit Units (Elective)						0
	Total Credit Units						18

NOTE: **C** means Compulsory; **R** means Required; **E** means Elective.

15.0 COURSE DESCRIPTIONS

GLY 102 Earth History (2+0+3 3 Units)

The geologic time- scale and its methods of measurement. Origin and chemical evolution of atmosphere, hydrosphere and biosphere; the history of life from bacteria to man. Concepts of paleoclimate, paleogeography, paleoceanography, paleomagnetism. Basic principles of stratigraphy: uniformitarianism, superposition, fauna and flora succession. Sedimentation; Principles and processes. Earth's internal processes; igneous activities and metamorphism. Practical identification of common fossils and rock types.

GPY 201 Introduction to Earth Physics (3+0+0 3 Units)

Pre-requisite: GPY 102, MTH 101

The Earth's History. The Earth's interior. Seismicity and earthquake zones. The nature of the gravity field of the earth. The measurement of gravity and the figure of the earth. The Earth's magnetic field. Rock magnetism, Polar wandering and the continental drift. Heat flow and geothermometry.

GPY 202 Introductory Geomathematics (2+0+0 2 Units)

Pre-requisite: MTH 101, 202

Differential and integral calculus. Types of functions. Vector analysis, matrix algebra, solution of Laplace equations and spherical harmonic analysis. Fourier analysis. Statistical regression analysis, curve fitting techniques and analysis of errors. Bessel equation and Legendre polynomials. Solution of Matrix equations.

GLY 201 Physical Geology (2+0+0 2 Units)

Earth and its component: from core to the crust. Weathering and other surface processes. Earth structure. Deformation process. Geological Time Scale. Continental Margin. Minerals and Rocks: Origin, occurrence and identification.

GLY206 Geological Map Interpretation and Field Mapping (1+0+3 2 Units)

Detail interpretation of topographic and geological maps; description of deformational structures (e.g faults, folds, unconformities) and their

recognition on maps; determination of geometric forms of outcrops; interpretation of subsurface data. Three-point problems.

**GPY 211 Introduction to Earth Sciences (for Water Resources)
(2+0+0 2 Units)**

Pre-requisite: MTH 101

The Earth's History. The Earth's interior. Seismicity and earthquake zones. The nature of the gravity field of the earth. The measurement of gravity and the figure of the earth. The Earth's magnetic field. Rock magnetism, Polar wandering and the continental drift. Heat flow and geothermometry.

**GPY 301 Electrical Resistivity Prospecting Methods (3+0+0 3
Units)**

Pre-requisite: PHY 201

An introduction to the fundamentals, instrumentation, field procedure, computations, interpretation and application of electrical exploration methods. Laboratory work with scale and mathematical models coupled with field work in areas of known geology.

**GPY 302 Seismic Reflection Prospecting Methods (3+0+0 3
Units)**

Pre-requisite: GPY201

The place of Geophysics in Oil Exploration, propagation of seismic waves. Analytical treatment of elementary seismic reflection problems. Field techniques. Processing and interpretation of modern seismic reflection sections, NMO charts.

GPY 303 Magnetic Prospecting Methods (3+0+0 3 Units)

Pre-requisite: GPY201

Introduction to Potential fields. Fundamentals of magnetic dipole interactions with applications to simple mass distribution and field procedure. Reduction of magnetic data. Anomaly separation and interpretation. Air-borne and sea-borne magnetic surveys. Data acquisition

and interpretation. Applications of magnetic methods in mineral exploration and geologic mapping.

GPY 304 Radiometric Prospecting Method (3+0+0 3 Units)

Pre-requisite: PHY204

Fundamental principle of radioactivity, nuclear, radioactive decay processes, radioactivity of rocks and minerals. Instrumentation and data interpretation. Case histories.

GPY 305 Gravity Prospecting Methods (3+0+0 3 Units)

Pre-requisite: GPY201

Introduction to Potential field; Theory of attraction and potential with applications to simple mass distributions. Theorems of Green and Gauss theorem. The field equations, Green's formulae and Equivalent surface layers, Instruments and Data acquisition, Gravity data reduction, regional, residual anomaly separation. Interpretation of gravity anomalies, depth and total mass estimates applications of gravity method in mineral exploration, groundwater and geology mapping.

GLY 304 Principles of Stratigraphy (2+0+3 2 Units)

Concepts of chrono-, litho-, bio-stratigraphy, magnetostratigraphy and stratotypes Principles of stratigraphic classification, terminology and correlation. Facies analysis, origin and evolution of sedimentary basins; geohistory analysis. Sequence stratigraphy.

GPY 307 Seismic Refraction Prospecting Methods (3+0+0 3 Units)

Pre-requisite: GPY201

Geophysics and Mineral Exploration activities. Seismic explorations: Wave types: direct, refracted and reflected wave path. Curved ray theory and applications. Refraction for the N-layer horizontal case. Numerical solution for a refraction profile over a single dipping interface. Field techniques, processing and interpretation of modern seismic refraction section, static correction charts.

interpretation. Hydrocarbon, Mineral and Groundwater exploration using Geophysical prospecting methods. Applications of geophysics in solving engineering and environmental problems.

GLY 310 Structural Geology (2+0+3 3Units)

Stress and strain analyses; the stress ellipsoid, stress components and trajectories; experimental deformation of rock materials; rheology in the earth's crust; fold mechanics; brittle fracture and failure, the Mohr diagram; brittle and ductile shear zones, geological structures. Mechanical analyses of fractures. Strain:- the strain ellipse, strain ellipsoid. Finite strain determination in rocks. Folds: geometry and mechanisms of folding. Cleavage and foliation development. Polyphase folding and fold interference patterns. Fault geometry and morphology. Thrust faults and construction of balanced cross-sections. Brittle and ductile shear zones. Salt domes and diapirism. Deformation mechanisms:- fracturing, cataclasis, creep; recovery and recrystallization; Development of textures and preferred orientation by plastic flow and recrystallization. Solution of structural problems by stereographic projections. Introduction to the use of relevant computer packages for data analyses and graphical presentation.

GLY 314 Geological Mapping Techniques (0-0-3 1 Unit)

This is an intensive comprehensive training in field mapping techniques, lasting a continuous 14 days, in any suitable geological terrain in Nigeria (e.g. Igarra area). Staff and students operate from a field camp throughout the period of the training. Every student submits a report on the exercise before leaving camp.

GPY399 SIWES: Student Industrial Work Experience Scheme (0+0+9 6 Units)

During the SIWES each student will undergo practical on the job training in an engineering industry approved for its relevance to the student's major for a minimum of 12 weeks starting immediately after the second semester examinations of 300 level. A programme of training will be drawn by the College and the Industry for each student, and a prescribed logbook with daily recording of the student activities is to be kept by each student and

appropriately signed.

At the end of the programme, a written report is to be submitted to the college/department and each student to present a seminar on his/her industrial experience within the first semester of their 400 Level.

GPY 401 Geophysical Time Series Analysis (3+0+0 3 Units)

Pre-requisite: MTH 303

Review of Fourier transform. Convolution. auto correction, impulse response; fast transform sampling theory, filter design, particular attention to geophysical application for each topic. Extensive use of the computer.

GPY 402 Environmental Geophysics (3+0+0 3 Units)

Pre-requisite: GPY301

Applications of geophysical techniques in environmental pollution studies, Saline water intrusion and mapping, determination of groundwater quality, chemical pollution at industrial sites and delineation of chemical plumes, oil spillage pollution and its mapping.

GPY 403 Well logging (3+0+0 3 Units)

Pre-requisite: GPY301, GPY 304

Concepts of the logging techniques. Electrical logging methods. Resistivity, self-potential, Induced Polarization, Dipmeter, gamma log etc. porosity logs- sonics, density, neutron logs, etc, Others; susceptibility, caliper, thermal, gravimetry logs. Instruments, Data acquisition and interpretation of logs, application of geophysical logs in oil and ground water exploration.

GPY 404 Groundwater Geophysics (3+0+0 3 Units)

Pre-requisite: GPY301, GPY 310

Application of geophysical methods in groundwater exploration. Aquifer determination in Basement complex and sedimentary areas. Mapping of geological structure useful to groundwater investigation. Determination of aquifer characteristics. Relevant geophysical techniques and field procedure. Borehole location strategy. Case histories.

GPY 405 Electromagnetic Prospecting Methods (3+0+0 3 Units)

Pre-requisite: PHY 204, PHY 303

Classification of electromagnetic methods. Amplitude and phase anomalies, compensator method. Turam method. Moving source and receiver methods. Magnetic telluric methods. Applications of electromagnetic methods in mineral and groundwater exploration.

GPY 406 Engineering Geophysics (3+0+0 3 Units)

Pre-requisite: GPY301, 307, 310

Shallow geophysics techniques for evaluation of engineering parameters; elastic co-efficient, geologic structures, groundwater, seismic hazards and regulatory criteria.

GPY 407 Geophysics and Geothermal Energy (3+0+0 3 Units)

Pre-requisite: GPY201, PHY 205

Origin and nature of heat flow in the earth. Factors that control economic aspects of geothermal energy. Descriptions of known field. Application of heat flow measurement, Electrical surveys, seismicity studies and other exploration tools for the search and evaluation of geothermal energy. Field Trips.

GPY 408 Geophysical Seminar (2+0+0 2 Units)

Presentation by Class members of material drawn from personal investigation or of material selected from geophysical literature.

GLY 401 Engineering Geology (3+0+0 2 Units)

Geotechnics and application in engineering geology; terrain classification application of soil mechanics principles; water retaining structures, dams, highways, foundation, slope stability, settlement, design of structures. Site investigations: principles and methods-tunnelling, drilling and sampling techniques, engineering-geological maps. Erosion problems and material quality control.

GPY 410 Special Topics and Case Histories (1+1+0 1 Unit)

Topics are selected to illustrate recent advances and developments in Applied Geophysics in any of the following areas: Modeling, time series analysis and filters. Integrated geophysical methods in oil and ore prospecting. Choice of methods in a geophysical survey. Composite surveys in regional structural mapping. Oil prospecting and searching for ores. Examples of combined geophysical programmes and histories.

GLY 403 Petroleum Geology (3+0+0 3 Units)

The origin, migration and accumulation of petroleum. Evidence of organic matter origin. Organic matter as source rock. Transformation of organic matter and hydrocarbon evolution. Forms of petroleum occurrence:- solid and liquid forms; surface and subsurface occurrence. Petroleum system: source rock characteristics, maturation, and migration; primary and secondary migrations; Properties of petroleum reservoir traps and seals. Hydrocarbon traps, abnormal pressure. Exploration methods:- evaluation of petroleum potential and reserves involving organic matter types, concentration and maturation indices. Reserves and basin classification. Subsurface maps. Drilling and completion of oil and natural gas wells. Well-logging and interpretation. Examples of major oil deposits. Bitumen and conventional oil deposits in Nigeria: stages in licensing, exploration and production. Introduction to the use of relevant computer packages for data analyses and graphical presentation.

GPY 413 Applied Geophysics (for Geologists) (2+0+3 3 Units)

Electromagnetic principles, classifications and amplitude and phase anomaly. Seismic exploration, data acquisition, processing and interpretation. Geophysical borehole logging; principles and techniques, types, data acquisition and interpretation. Gravity and magnetic methods, their techniques, data acquisition, processing and interpretation. Fundamentals and Applications of Self-Potential, Induced Polarization, radioactive and well logging techniques. Resolving different geological mapping minerals and hydrocarbons, groundwater surveys and engineering problems using Geophysical prospecting methods. Case Histories. Use of seismic methods in geological prospecting and exploration and in solving engineering problems.

GPY 499 Research Project (0+0+9 6 Units)

Pre-requisite: Final Year Standing

An independent research chosen according to student's interest and supervised by staff, during the final year. The subject matter must be related to any aspect of geophysics – oil and gas, groundwater, mineral exploration or engineering site investigation. It is required that the student shall first submit a written proposal to the supervisor to review. The proposal shall give a brief outline of the project, estimated schedule of completion, and material resources needed. A formal written report shall be presented and an oral presentation shall normally follow.

**16.0 LIST OF EQUIPMENT AND OTHER MATERIALS
IN GEOPHYSICS DEPARTMENT'S LABORATORY**

S/N	Description of Item	Quantity in Stock	Remarks
1.	Hammer	30	
2.	Global Positioning System	8	
3.	Maps	5	
4.	Compass	20	
5.	Distance Measuring Wheel	5	
6.	Laboratory Resistivity Tester	1	
7.	Projector	1	
8.	Reels of Cables	4	
9.	Tapes	6	
10.	Cutlass	10	
11.	Umbrella (Big and Small)	3	
12.	Stopwatch	1	
13.	Non-polarising Electrodes with salt	2	
14.	Stainless Steel Electrodes	6	
15.	Calibrated Reels	3	
16.	Mini-Workstation/e-library Systems	10	

17.0 STAFF PROFILE

17.1 Academic Staff

Professor I. B. Osazuwa

Tel: +234(0)8035904238

E-mail: iosazuwa@yahoo.com; isaac.osazuwa@fuoye.edu.ng

BRIEF

Professor I. B. Osazuwa is an internationally renowned intellectual and geophysicist whose background is in physics. He was projected into limelight by the establishment of the Primary Gravity Network for Nigeria (PGNN). His research spans the application of the principles of physics to investigate and study the diverse problems of the Earth; in the process he has two hundred and thirty two (232) publications made up of dissertation and thesis (2), books/monographs/map series (9), peer reviewed journal papers (69), peer reviewed conference/workshop proceedings (10), reviewed conference abstract proceedings (117), commissioned technical reports (7), general reports (3) lectures and seminars (15). He has also assessed twenty seven (27) candidates for professorial ranks in fourteen universities in Nigeria. As at 2013, he has supervised fourteen (14) PhD dissertations and forty three (43) M.Sc. theses in the field of geophysics. He has also organized and attended seventy three (73) international and local conferences. He is a member of twelve (12) professional bodies and he has won many awards. Full details of his intellectual and academic escapade can be found in his *Curriculum Vitae* (CV). His current area of research is the geophysical classification of the subsurface in the basement terrain and the determination of the correct reference datum for Nigeria using gravity data.

Professor M. O. Olorunfemi

Tel: +234(0)8037192169

E-mail: mlorunfe@yahoo.co.uk; mlorunfe@fuoye.edu.ng

BRIEF

Prof Olorunfemi graduated with First Class Honours in B.Sc. Applied Geophysics degree in University of Ife in 1976. He proceeded to University of Birmingham, England where he bagged M.Sc Applied

Geophysics in 1979. He further obtained Ph.D. Geological Sciences (Applied Geophysics) in the same University and graduated in 1986.

He has received several different distinctions and awards to his credits and has supervised twenty-nine (29) MSc and nineteen (19) PhD theses in different areas of geophysics.

He has one hundred and fourteen (114) published research works in both local and international reputable journals. Many researches are also ongoing in which their findings will soon be published as soon as they are completed.

Dr. Julius O. Fatoba

Senior Lecturer

B.Tech. Applied Geophysics, M.Tech. Exploration Geophysics (Akure), PGD, Remote Sensing/GIS (Dehradun, India), Ph.D Applied Geophysics (Ife)

E-mail: julius.fatoba@fuoye.edu.ng

Telephone: 08023167963

BRIEF

Dr. Fatoba Julius O., the Ag. Head of Department, obtained doctorate degree (Ph.D) in Applied Geophysics from Prestigious Obafemi Awolowo University, Ile-Ife. He is a registered member of COMEG and IAH. Prior to joining FUYOYE, he had worked as a senior research officer at Nigerian Building and Road Research Institute and as a Lecturer at Olabisi Onabanjo University. He has taught at undergraduate and postgraduate levels and supervised several undergraduate students and co-supervised 6 (six) postgraduate research projects. He has also taught as a Visiting Lecturer at University of Lagos, Covenant University and Afe Babalola University. He has thirty three (33) journal articles published in international and national journals to his credit.

Dr. Stephen Oluwafemi Ariyo

Senior Lecturer (Adjunct)

B.Sc., M.Sc., Ph.D (Ibadan)

E-mail: oluwafemi.ariyo@fuoye.edu.ng

Telephone: 08038047475, 08055132897

BRIEF

Dr. Ariyo, obtained his first degree to his doctorate degree in the University of Ibadan. He is a full-time lecturer in the Department of Earth Sciences, Olabisi Onabanjo University, Ago-Iwoye, Ogun State. He is a registered member of COMEG, NMGS, NAH, IAH, IAHS, GIRAF, IUGS and GSAF. He is a Senior Lecturer and an adjunct lecturer in Geophysics Department in FUYOYE. He has taught at undergraduate levels and supervised several undergraduate projects and seminars. His area of research interest is in Hydrogeophysics. He has several publications to his credit.

Dr. Bayewu Olateju O.

Senior Lecturer

B.Sc. (Ilorin), M.Sc. (U.I.), Ph.D (Ilorin)

E-mail: tejubpositive@yahoo.com

Telephone: 08057070285

BRIEF

Dr. Bayewu Olateju O. was formerly a lecturer at Olabisi Onobanjo University Ago-Iwoye in Ogun State before he joined the Geophysics Department in Federal University Oye-Ekiti (FUYOYE). He obtained his first degree from the University of Ilorin, then his M. Sc. from the University of Ibadan and PhD degrees from the University of Ilorin. He has taught at undergraduate and postgraduate levels and supervised several undergraduate projects and postgraduate theses. He has published twenty-eight (28) research works in both local and international reputable journals. Many researches are also ongoing in which their findings will soon be published as soon as they are completed.

Dr. A. B. Eluwole

Lecturer I

Tel: 07034947293

E-mail: eluwoleakinola@yahoo.com

BRIEF

Dr Eluwole had B.Tech (Hons) degree in the Department of Applied Geophysics, in Federal University of Technology Akure in 2008. He proceeded to study M.Sc. in Applied Geophysics in Department of Geology, University of Ife and graduated in 2012 and obtained his PhD degree in the same university in 2016.

He has gone for different trainings that will enhance the quality of his contribution to academic at different levels of study and has attended different academic conferences.

He has eleven (11) publications in both local and international reputable journals to his credit. Other researches are also ongoing which are also awaiting publishing as soon as they are completed.

Mr. Akindeji Opeyemi Fajana

Lecturer II

B.Tech.Applied Geophysics (Akure), M.Sc. Geophysics (Ibadan)

E-mail: akindeji.fajana@fuoye.edu.ng

Telephone: 08038259701, 08154474444

BRIEF

Fajana A.O. graduated from Federal University of Technology, Akure (FUTA) with a Bachelor of Technology (B.Tech., Hons) in Applied Geophysics in 2006 and obtained his Master Degree (M.Sc.) in Applied Geophysics from the University of Ibadan in 2011. He is currently undertaking his Ph.D program in Petroleum Geophysics Option in FUTA. He was a scholar of different oil companies at different levels of his academic pursuit such as NNPC/Exxonmobil Exploration and Production Limited, Nigeria, Agip Oil Company. He had publications in learned journals and conference proceedings; while more researches are currently going on. He joined the Federal University, Oye-Ekiti in September, 2012 as an Assistant Lecturer. He is a member of Society of Exploration Geophysicist.

Mrs. Grace Olayiwola Olaseeni

Lecturer II

B.Sc. Geology (Ilorin), M.Tech. Exploration Geophysics (Akure)

E-mail: olayiwola.olaseeni@fuoye.edu.ng

Telephone: +2347063901599

BRIEF

Mrs. O.G. Olaseeni, presently an assistant lecturer in Geophysics Department of FUOYE studied Geology in University of Ilorin, where she graduated with B.Sc. in 2003. She obtained her M.Tech. degree in Exploration Geophysics from the Federal University of Technology, Akure (2011). She is currently undertaking her Ph.D program in Environmental Geophysics at Federal University of Technology, Akure (FUTA). She is a corporate member of Nigerian Mining and Geosciences Society (NMGS).

Mr. Odunayo Emmanuel Bamidele

Assistant Lecturer

B.Sc. Geology (Akungba), M.Tech. Exploration Geophysics (Akure)

E-mail: odunayo.bamidele@fuoye.edu.ng

Telephone: 08066887577, 08056821921

BRIEF

Bamidele O.E. obtained his first degree from Adekunle Ajasin University, Akungba-Akoko, Ondo State (AAUA) with a B.Sc.(Hons) in Geology. He also obtained his Master's Degree (M.Tech.) in Exploration Geophysics from the Federal University of Technology, Akure (FUTA). He has been involved in several Geophysical Investigations across the country. He had publications in learned journals and conference proceedings; while more researches are currently going on. He is a member of Society of Exploration Geophysicists (SEG), Nigerian Mining and Geosciences Society (NMGS), American Association of Petroleum Geologists (AAPG), Nigerian Association of Petroleum Explorationists (NAPE) and Society of Petroleum Engineers (SPE).

Mr. Oladunjoye Peter Olabode

Assistant Lecturer

B.Tech. Applied Geology, M.Tech. Exploration Geophysics (Akure)

E-mail: oladunjoye.olabode@fuoye.edu.ng

BRIEF

Mr. O.P. Olabode obtained his Bachelor of Technology in Applied Geology at Federal University of Technology, Akure, Ondo State. He thereafter obtained Master of Technology Degree in Applied Geophysics (Exploration Geophysics Option) at Federal University of Technology, Akure, Ondo State. He is a member of Society of Exploration Geophysicists (SEG) and American Association of Petroleum Geologists (AAPG).

Mr. Samson O. Ayeni

Graduate Assistant

B.Sc. Geology (Ado-Ekiti)

E-mail: samson.ayeni@fuoye.edu.ng

BRIEF

Mr. Ayeni Samson O., a Graduate Assistant Lecturer in the Department of Geophysics. He hails from Oye-Ekiti in Oye Local Government Area, Ekiti State. He graduated from University of Ado-Ekiti now Ekiti State University, where he berged a B.Sc. (Hons) in Geology with a Second Class Upper Division. He is currently pursuing his Master Degree (M.Sc.) in Applied Geophysics, University of Nigeria, Nsukka. He is a professional member of Nigerian Mining and Geosciences Society (NMGS) and Nigerian Association of Petroleum Explorationists (NAPE). He is currently doing his research work on “The Use of Magnetotellurics in Noise Removal from Geophysical Prospects”.

17.2 Technical Staff

Mr. AROYEHUN Morufu Tope

Technologist II

HND (PHY), PGD (Ed.), AIST, MNIM, TRCN

+2347039141846, morufu.royehun@fuoye.edu.ng

Miss. ADEJUMOBI Bisi C.

Laboratory Assistant

SSCE

+2348039557195, bisi.adejumobi@fuoye.edu.ng

17.3 Administrative Staff

Mrs. ALABI Olabisi

Administrative Officer II

B.Sc. (Bus. Admin.)

+2347033020914, olabisi.alabi@fuoye.edu.ng

Miss. OMOKANYE Elizabeth Oluwatoyin

Clerical Officer

SSCE

+2347033889119, oluwatoyin.omokanye@fuoye.edu.ng