



**SAMUEL ADEGBOYEGA UNIVERSITY  
OGWA, EDO STATE**

**COLLEGE OF BASIC AND APPLIED SCIENCES  
DEPARTMENT OF BIOLOGICAL SCIENCES  
INTRODUCTORY BIOLOGY BIS 111**

**Units: 3 Core Course                      First Semester 2017/2018 Session**

This is a biology course designed for all the Science majors in the College of Basic and Applied Sciences. The course content is designed to give Bachelor of Science students a foundational knowledge of scientific enquiry, the basic concepts, organization, diversity and interactions in biology.

**Lecturers:** Prof. (Mrs) F. M. Ogbe  
Mr O. D. Fakeye

**Objectives:**

At the end of this course, the student should understand the basic principles of scientific inquiry; characteristics of cells; living things; biological concepts; biodiversity; hierarchy of biological organization and classification; plants, animals and interactions of living and non-living components of ecosystems.

**Course content:**

Basic concepts in Biology  
Characteristics of Scientific Inquiry  
Diversity of living plants, animals and habitat  
Common features of organisms  
Classification and nomenclature of plants and animals  
Prokaryotic and eukaryotic cells  
Cell structures and organizations  
Bacteria and Viruses  
Life cycles of lower and higher plants.  
Invertebrates, vertebrates  
Man, population growth and impact on the biosphere.

<b>Week</b>	<b>Topic</b>
1	Basic concepts in biology
2	Characteristics of scientific inquiry
3	Diversity of living plants and habitat Common features of organisms
4	Classification and nomenclature of plants

- Life cycles of lower plants
- 5. Life cycles of higher plants
- 6. Revision, Mid-Semester test
- 7. Prokaryotic and eukaryotic cells
- 8. Common features of organisms  
Diversity of living animals and habitat
- 9. Classification and nomenclature of animals  
Bacteria and viruses
- 10. Invertebrates, Vertebrates
- 11. Man, population growth and impact on the biosphere
- 12. Revision.

Reference materials.

1. Principles of biology  
<https://www.theguardian.com>
2. Biology. Understanding Life  
Alters and Alters
3. Life. The Science of Biology  
Sadava, Hillis, Heller, Berenbaum

Course assessment: Attendance 5%  
Continuous assessment 15%  
Mid Semester test 10%  
End of Semester examination 70%