



AL-HIKMAH UNIVERSITY, ILORIN
FACULTY NATURAL AND APPLIED SCIENCES
DEPARTMENT OF COMPUTER SCIENCE
BSc. SOFTWARE ENGINEERING PROGRAMME
2019/2020 ACADEMIC SESSION
COURSE OUTLINE FOR:

COURSE CODE: SEN 204

COURSE TITLE: LOGIC AND ITS APPLICATIONS IN COMPUTER SCIENCE

COURSE CREDIT: 2 units.

LECTURE HOURS (Thursdays 4:00Pm -6:00PM).

**STUDENTS SHOULD NOTE THAT EACH LECTURE PERIOD
SHALL FEATURE A 10-15 MINUTES OF PRE-LECTURE OR POST-LECTURE CAT
(Continuous Assessment Test)**

LECTURE PERIOD	DATE	TOPIC	COURSE LECTURER
1	19-3-2020	General Introduction to concepts in Logic	Mr. A.M. Oyelakin
2	26-3-2020	Propositional Statements, Truth Table, Propositional connectives, Laws, and Tautologies	Mr. A.M. Oyelakin
3	02-04-2020	Handling and Interpreting Valid and Invalid Arguments	Mr. A.M. Oyelakin
4	09-04-2020	Introduction to Formal Deduction in Computer Science	Mr. A.M. Oyelakin
5	16-04-2020	Role of Formal Deduction in establishing argument validity	Mr. A.M. Oyelakin
6	23-04-2020	Theorem Proofing with several relevant examples	Mr. A.M. Oyelakin
7	30-04-2020	First CAT and Revision	Mr. A.M. Oyelakin
8	07-05-2020	Propositional Logic and Circuit Minimization	Mr. A.M. Oyelakin
9	14-05-2020	Introduction Prolog as a declarative Programming Language	Mr. A.M. Oyelakin
10	21-04-2020	Practical-based demonstration on Prolog Programming Environments	Mr. A.M. Oyelakin
11	28-05-2020	Application areas of Logic in Artificial Intelligence, Theorem Proofing and Expert Systems	Mr. A.M. Oyelakin
12	05-06-2020	Revision and Second CAT	Mr. A.M. Oyelakin