**نيجيرياجامعةالحكمة،إلورن،**

**AL-HIKMAH UNIVERSITY, ILORIN, NIGERIA**

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**….a tradition of learning for wisdom and morality**

**FACULTY OF EDUCATION**

**DEPARTMENT OF SCIENCE EDUCATION**

**B.Ed. Educational Technology**

**2021/2022 Session**

**COURSE OUTLINE**

COURSE CODE: EDT 218

COURSE TITLE: Educational Technology I: Software

CREDIT UNITS: 2

LECTURE DAY(S): Tuesdays; 8am – 10am

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| **LECTURE PERIOD** | **TOPIC** | **COURSE**  **LECTURER(S)** |
| Week 1 | Definition of Software   * Definitions of Software * Types of Software: System and Application * System Software: Operating System * Application Software: Educational Software |  |
| Week 2 | Types of Educational Software   * Meaning of Educational Software * Types of Educational Software * Classification based on purpose * Drill and Practice * Problem Solving * Tutorial * Games * Demonstration * Simulation |  |
| Week 3 | Types of Educational Software   * Types of Educational Software * Classification based on Specifics * Courseware * Classroom Aids * Assessment * Reference * Custom Platforms * Corporate Training |  |
| Week 4 | Design Processes in Educational Software   * Principle of Software Design * Stages in Software Design * Universal Design Guidelines |  |
| Week 5 | Software Development Cycle |  |
| Week 6 | Educational Software Evaluation Process   * Meaning and Types of Software Evaluation * Software Evaluation Procedure * Specifications in Software Evaluation |  |
| Week 7 | **Continuous Assessment** |  |
| Week 8 | Software Testing Strategies |  |
| Week 9 | Educational Software and Pedagogical Principles   * Pedagogical Principle * User-Friendly Interface * Software –User Interaction * Learning Experience Enhancement |  |
| Week 10 | Educational Software Design Models   * Models in Software Design * X-Raying Models of Software Design * Scripting, Storyboarding and Flowcharting |  |
| Week 11 | **Continuous Assessment** |  |
| Week 12 | **Revision** |  |
| Week 13 | **Revision** |  |
| Week 14 | **Examination Period** |  |
| Week 15 | **Examination Period** |  |