



جامعة الحكمة، الورن – نيجيريا

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

Adeta Road, Adewole Housing Estate, P.M.B 1601, Ilorin, Kwara State

**FACULTY OF NATURAL & APPLIED SCIENCES**

DEPARTMENT OF COMPUTER SCIENCE

B.Sc. Computer Science Programme

2019/2020 Academic Session

**COURSE OUTLINE FOR:**

**COURSE CODE: CMP 102**

**COURSE TITLE: INTRODUCTION TO PROBLEM SOLVING**

3 CREDIT UNITS: 12 LECTURE PERIODS (2 - 4pm on Thursdays)

| LECTURE PERIODS | DATE                        | TOPIC   | COURSE LECTURERS |
|-----------------|-----------------------------|---|------------------|
| 1               | 27 <sup>th</sup> Feb., 2020 | Introduction to Computers and Problem Solving <ul style="list-style-type: none"><li>• Definitions</li><li>• Problem Solving Steps: Problem Analysis, Algorithm Development, Flowcharting, Coding, Compilation and Execution, Debugging and Testing, Documentation</li></ul> | O. A. Akanni     |
| 2               | 5 <sup>th</sup> Mar., 2020  | Cont. on Introduction to Computers and Problem Solving <ul style="list-style-type: none"><li>• Algorithm: Definition, Examples, and Features</li></ul>  | O. A. Akanni     |
| 3               | 12 <sup>th</sup> Mar., 2020 | Cont. on Introduction to Problem Solving <ul style="list-style-type: none"><li>• Flowcharting: Definition, Properties, Advantages</li></ul>   | O. A. Akanni     |
| 4               | 19 <sup>th</sup> Mar., 2020 | Cont. on Introduction to Problem Solving <ul style="list-style-type: none"><li>• Flowcharting: Symbols and Examples.</li></ul>  | O. A. Akanni     |
| 5               | 26 <sup>th</sup> Mar., 2020 | Cont. on Introduction to Problem Solving <ul style="list-style-type: none"><li>• Coding: Definition, Compilation and Execution</li><li>• Debugging and Testing</li></ul>  | M.D. Gbolagade   |

Lecturers: A.O. Akanni, A.M. Oyelakin and M. Gbolagade

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| 6  | 2 <sup>nd</sup> April, 2020  | Cont. on Introduction to Problem Solving <ul style="list-style-type: none"> <li>• Documentation: Definition and Types</li> <li>• Revision and First CAT</li> </ul>  | M.D. Gbolagade |
| 7  | 9 <sup>th</sup> April, 2020  | Introduction to Basic Programming Language (VB 6) <ul style="list-style-type: none"> <li>• Overview</li> <li>• Advantages</li> <li>• Program Structure</li> </ul>   | M.D. Gbolagade |
| 8  | 16 <sup>th</sup> April, 2020 | Cont. on Introduction to Basic Programming Language <ul style="list-style-type: none"> <li>• Visual Basic Environments</li> </ul>   | A.M. Oyelakin  |
| 9  | 23 <sup>rd</sup> April, 2020 | Cont. on Introduction to Basic Programming Language <ul style="list-style-type: none"> <li>• Data Types</li> <li>• Variable Names in VB 6</li> </ul>  | A.M. Oyelakin  |
| 10 | 30 <sup>th</sup> April, 2020 | Cont. on Introduction to Basic Programming Language <ul style="list-style-type: none"> <li>• Sample Programs in VB 6</li> <li>• How to use VB 6 to address programming Problems</li> <li>• Examples and Questions for practice</li> </ul> | A. M. Oyelakin |
| 11 | 7 <sup>th</sup> May, 2020    | Continuous Assessment   |                |
| 12 | 14 <sup>th</sup> May, 2020   | Revision and Second CAT   |                |
| 13 | 21 <sup>st</sup> May, 2020   | Revision  |                |

Course Coordinator: O. A. Akanni

Lecturers: A.O. Akanni, A.M. Oyelakin and M. Gbolagade