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| **Course Unit Title** | COMPUTER APPLICATION II |
| **Course Unit Code** | ACOM 102 |
| **Type of Course Unit**  | Service Course |
| **Level of Course Unit**  | 1st Year |
| **Number of ECTS Credits Allocated** | 5 ECTS |
| **Theoretical (hour/week)** | 3 |
| **Practice (hour/week)** | - |
| **Laboratory (hour/week)** | - |
| **Year of Study** | 1 |
| **Semester when the course unit is delivered** | Spring |
| **Name of Lecturer (s)** | Acheme Odeh |
| **Mode of Delivery**  | Online |
| **Language of Instruction**  | English |
| **Prerequisities and co-requisities**  | ACOM 101 |
| **Recommended Optional Programme Components**  | None |
| **Work Placement(s)** |  |
| **Objectives of the Course** | The main objective of this course is to introduce Basic Communications and Networks, Privacy, Security and Ethics, Information Systems, Databases, Systems Analysis and Design, and Programming and languages. The aim is to equip students with the knowledge of the basic working principles of computers, Information Systems and the Internet. It builds on the knowledge gained in the course: COMP 103 |
| **Learning Outcomes (LO)** | 1. Undersant how system software supports application software
2. list the most popular types of general - purpose applications.
3. understand how commercial software, shareware, freeware, and public domain software differ.
4. Understand the basic concept of e-commerce and their applications in the internet
5. understand basic networking concepts
6. identify the options, components, configuration, and maintenance of a home area network
7. Discuss various wired and wireless applications
8. Understand how technological developments are eroding privacy and anonymity
9. understand computer system security risks.
10. Understand how to protech computer and people from security risks
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| **Course Contents** |  |
| **Weekly Detailed Course Contents**  | **WEEKS** | **TOPICS** |
| **Theoretical Courses** |  |
| 1 | Communications and Networks |  |
| 2 | Communications and Networks |  |
| 3 | Privacy, Security and Ethics  |  |
| 4 | Privacy, Security and Ethics |  |
| 5 | Information Systems  |  |
| 6 | Midterm |  |
| 7 | Databases |  |
| 8 | Systems Analysis and Design |  |
| 9 | Programming and Languages  |  |
| 14 | Final Exam |  |
| **Textbook / Material / Recommended Readings** | **COMPUTING ESSENTIALS 2017 COMPLETE EDITION by Timothy J. O'Leary, Linda I; O'Leary and Daniel A. O' Leary.****Published by McGraw-Hill Education, 2 Penn Plaza, New York, NY 10121. Copyright © 2017 by McGraw-Hill Education.** |
| **ASSESSMENT** |
| **Semester (Year) Interior Activities** | **Number** |  **Semester (year) Note the% Contribution to** |
| Midterm |  1  |  40  |
| GAU LOGOFinal Exam |  1 |  60 |
| **TOTAL** |  |  **100** |