COURSE INFORMATION

1. Course Number : **CCE101L**
2. Course Name : **Introduction to Computing**
3. Course Decription : This knowledge area is intended to be at the introductory level in curriculum and to provide foundation skills subsequent course. It provides an overview of an discipline of IT, describes how it relates to other computing disciplines, and begins to instill an IT mindset. The goal is to help students understand the divers contexts in which IT is used and the challenges inherent in the diffusion of innovative technology.
4. Pre-requisite : **NONE**
5. Co-requisite : **NONE**
6. Credit : **2.0 units Lecture / 1.0-unit Laboratory**
7. Class schedule : **4 hours Lecture per week / 6 hours Laboratory per week**
8. Program Educational Objectives (PEO) of BSIT:

Three to five years after graduation, the UMDC Information Technology Program (BSIT) alumni are expected to:
   A. Have advanced in chosen Information Technology practice for different sector of society with excellence, innovation and professionalism;
   B. Serve as a catalyst of change in different organizations through ethical leadership and influence; and
   C. Continuously improve oneself through participation in professionalism development activities such as training, certification or advanced academic studies.

9. **Students Outcomes (SO) of BSIT and their links to PEO**

The UMDC Technology Education (BSIT) graduate will:	PEO A	B	C
SO a Apply knowledge of computing, science, and mathematics appropriate to the discipline.	✓		
SO b Understand best practices and standards and their applications.	✓		
SO c Analyze complex problems and each identify and define the computing requirements appropriate to its solution.	✓		
SO d Identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based system.	✓		
SO e Design, implement and evaluate computer-based system, processes, components or programs to meet desired needs requirements under various constraints.	✓		
SO f Integrate IT-based solution into the user environment effectively.		✓	
SO g* Apply knowledge through the used of current techniques, skills, tools, and practices necessary for IT profession.	✓		
SO h Function effectively as a member or leader of a development team recognizing the different roles within a team to accomplished a common goal.		✓	
SO i Assist in the creation of an effective IT project plan.		✓	
SO j* Communicate effectively with the computing community and with the society at large about complex computing activities through local writing, presentations and clear instruction.		✓	
SO k Analyze the local and global impact of computing information technology on individuals, organizations And society.		✓	
SO l Understand professional, ethical, legal security and social issues and responsibilities in the utilization of information technology.		✓	
SO m Participate in various types of employment, development activities and public discourses particularly In response to the needs of the communities one serve.		✓	✓
SO n* Recognize the needs for and engage in planning self-learning and improving performance as a Foundation for continuing professional development.		✓	
SO o* Discuss the latest developments in the specific field of practice with strong character and excellence	✓	✓	✓