

# COURSES SYLLABI

*CMSKF0002      Accounting Principles*  
*Prerequisites      None*

The course emphasizes on fundamentals of double entry, debit/credit business accounting, knowledge of understanding assets, liabilities cash control, simple final accounts etc.

*CMSKF0010      English 1A*  
*Prerequisites      None*

Students are introduced to the English System of tenses to describe past and contemporary events and predict events in the future. They are also given exposure to the use of vocabulary and grammatical forms, English terminologies in business and letter writing.

*CMSKF0011      English 1B*  
*Prerequisites      CMSKF0010*

In this pre-requisite, the students are given the theories and elaboration needed to enhance their skills on the use of modal auxiliaries, If conditions and combining sentences..

*CMSKF0012      English 11A*  
*Prerequisites      CMSKF0011*

At this level the students begin to perceive the systems that underlie language, namely the tense system, the active and passive patterns, tense usage etc. A few sessions are also devoted to the systematic development of moving from skill to skill through related tasks and appropriate activities.

*CM SKF0010            English 11B*  
*Prerequisites        CM SKF0012*

The students can learn to practice advanced language forms such as Verb patterns, conditionals and their possible variations, modals and their different uses. The course also emphasizes on the acquisition and retention of the more subtle skills that produce fluency and proficiency in the English Language.

*CM SC D1003        Introduction to Computer Programming*  
*Prerequisites        None*

The students learn how to use high level language in developing a system. They get basic ideas about algorithms, flow charts, data types and control structures. They are exposed to implement the pseudo code into simple programs and to debug the programs. This course mainly serves as a beginner's course in the programming field for a new student in computer programming.

*CM SKF0001        Microcomputer Operation and Applications*  
*Prerequisites        None*

The course covers terminology, functional concepts and basic operations of the computer. Students learn to use word-processing efficiently. They also get an idea of database programming and learn to apply their computer knowledge skills through in class demonstrations and hands on activities.

*CM SC Y1001        Introduction to Computer Systems*  
*Prerequisites        None*

The aim of this subject is to develop the student's appreciation of computer terminology and its applications. They need to understand the use and manipulation of various number systems applicable in computing. The subject also describes how the data is stored and executed in a computer. In addition, they get a knowledge of the various Input and output peripherals, and acquire a basic touch of the different types of operating systems and their merits.

*CMSCD1005            Program Design*  
*Prerequisites            None*

The main aim of taking this subject is to develop program design skills to enable students explore different designing methods in the production of high-quality software. Moreover, they will learn to design and implement simple user interfaces.

*CMSGN1001            Reasoning and Communication*  
*Prerequisites            None*

The purpose of this module is to enhance the understanding and techniques of learning, observation, reasoning and communication. The students will communicate more effectively through an appreciation of learning in the elicitation and presentation stages in the exchange of data, information and knowledge.

*CMSKF0004            Computerized Accounting*  
*Prerequisites            CMSKF0002*

The course enables the students to use commercial computerized accounting packages efficiently and maintain accounts of commercial Banks and other organizations.

*CMSCD1004            Computer Programming and Problem Solving*  
*Prerequisites            CMSCD1003*

The aim of the course is to help students develop the advanced C programming concepts help them learn the skills in the use of basic data structures provided by a programming language, the use of advanced programming techniques and rudimentary program design.

*CMSCD1004      Abstraction and Modelling*  
*Prerequisites      None*

The course aims to enable the students to develop an understanding of the fundamental concepts needed to build and use formal models of system in computing. The students understand and apply set theory and logic to describe the data and constraints, as well as the use of algebra and deduction rules in simplifications and proofs.

*CMSKD1001      Introduction to RDBMS*  
*Prerequisites      CMSCD1003, CMSCD1005*

The aim of the course is to provide a general overview of the nature and purpose of database systems. The students will be exposed to simple event-driven programming, using Access Basic. This course will provide a good background to other courses at a higher level.

*CMSKD1001      Software Development*  
*Prerequisites      None*

This course provides students with a general overview of the development of software. The students get an idea about the different steps in developing and maintaining a system.

*CMSCY1002      Computer Architecture*  
*Prerequisites      None*

The students will get knowledge of a detailed overview of computer architecture at the hardware and software level. They understand the operation of the microprocessor chip, memory devices, processor cycles etc. and learn to use the assembly language.

*CMSCB1001      Information Systems in Business*  
*Prerequisites      None*

The aim of the module is to introduce the use and provision of information, using computer technology to help in carrying out business tasks and functions and learn to discuss as well as describe the role of IT in a business organization.

*CMSKD1002                      Local Area Networks*  
*Prerequisites                      CMSKF0001, CMSCY1001*

The course aims at providing students with an idea of networking and its fundamentals. The course emphasizes on configuration and management of file server, print server and workstations along with managing of a system security.

*CMSKD1004                      Programming Project Part-1*  
*Prerequisites                      CMSCD1005, CMSKD1001*

The main aim of the course is to make the student work on a real Time Project and apply all their knowledge of the subjects that they have studied in the previous semesters. The student will be able to define the problem, set its boundaries, explore the scope and define the objectives using structured techniques. They will also use structured design and software engineering techniques to solve business-related problems.

*CMSKD1005                      Programming Project Part-11*  
*Prerequisites                      CMSKD1004*

This course enables the students to implement the design produced in development and testing techniques.

**Note:**

**Pre-Requisite:**

*Refers to each course necessary to complete successfully before being allowed to register for a subsequent one. For example, English I is made a pre-requisite for English II.*