Leeward Community College

ICS 100 - COMPUTING LITERACY & APPS (3.0)

An introductory survey of computers and their role in the information world emphasizing computer terminology, hardware, and software. Opportunities for "hands-on" experience using applications software may include spreadsheets, word processing, presentations, communications, and databases. * (45 lecture hours)

PreRequisite: Eng 21 or Eng 22 and Math 73 or equivalent, all with a grade of C or better, or consent of instructor.

Co-Requisite: None

Rec Preparation: None

ICS 101 - DIGITL TOOLS FOR THE INFO WRLD (3.0)

Hands-on computer class with emphasis on producing professional-level documents, spreadsheets, presentations, databases, and web pages for problem solving. Includes concepts, terminology, and a contemporary operating system. Meets requirements for College of Business (UHM and UHH) and UHM's Biology program and Botany Department.

PreRequisite: Eng 100 and Math 100 or equivalent, all with a grade of C or better, or consent of instructor.

Co-Requisite: None

Rec Preparation: ICS 100

ICS 110 - INTRODUCTION TO PROGRAMMING (3.0)

A practical introduction to the theory of stored program digital computers. Students are taught flowcharting, documentation techniques and the use of a programming language to solve various scientific and business-oriented problems. The emphasis is on basic concepts and functional characteristics in the design and development of computer programs. (Formerly ICS 130)

PreRequisite: ENG 21 or 22 and MATH 25 with a C or better or equivalent.
This course follows a master plan for ICS programs that was reviewed and approved by the statewide ICS PCC. Course prerequisites and sequencing are carefully planned and re-assessed to maximize the learning environments, processes and experiences of each student in the ICS program. The course sequence is patterned after those of other Hawaii community colleges as well as on the mainland. Further, the course is designed to equip students with computer skills that enhances success in other disciplines as well.

Co-Requisite: None.

Rec Preparation: ICS 100.

ICS 111 - THE INTERNET (3.0)

This course introduces the Internet and its effects on modern society. Students will review its history, concepts, and terminology; and learn how to connect to and navigate the Internet. Emphasis will be on using the Internet to access and provide information on a world-wide network. The course covers the basic concepts of networking, protocols, security and communication terminology pertaining to the Internet. A variety of Internet resources will be demonstrated and subsequently explored by students.

PreRequisite: ENG 21 or ENG 22 and MATH 24 or equivalent and ICS 100, all with a grade of "C" or better, or consent of instructor. The ICS Department has carefully planned the sequencing of all courses that lead to the AS Degree or any of the certificates. Much time was spent as a department reviewing prerequisites and skills required to maximize the learning experience of each student. The course sequence has been patterned after those of other community colleges in Hawaii as well as on the mainland. In addition it is designed to equip students to transfer with the required computer skills to be successful in any discipline. This course is articulated among the community colleges. The numbering and core content has been agreed upon.

Co-Requisite: None

Rec Preparation: None.

ICS 184 - NETPREP NETWORK FUNDAMENTALS (3.0)

Introduces the student to the concepts of data communications, telecommunications, and networking. It provides a conceptual view of networking and will bring together the acronyms, protocols, and components used in today's networks. It is the fundamental portion for the Basic Certificate in Computer Networking, designed to specifically provide the student with a practical and comprehensive working knowledge of networking.

PreRequisite: ICS 100 and MATH 27 or concurrent, or equivalent, or consent of instructor. The ICS Department has carefully planned the sequencing of all courses that lead to the AS Degree or any of the certificates. Much time was spent as a department reviewing prerequisites and skills required to maximize the learning experience of each student. The course sequence has been patterned after those of other community colleges in Hawaii as well as on the mainland.

Co-Requisite: None

Rec Preparation: ICS 125

ICS 185 - NETPREP LOCAL AREA NETWORKS (3.0)

This course is designed to bring the student up to date on the latest concepts of Local Area Network (LAN) technologies. It provides a comprehensive introduction to the concepts, technologies, components and acronyms inherent in today's local networking environments.

PreRequisite: ICS 184 or consent of instructor. The ICS Department has carefully planned the sequencing of all courses that lead to the AS Degree or any of the certificates. Much time was spent as a department reviewing prerequisites and skills required to maximize the learning experience of each student. The course sequence has been patterned after those of other community colleges in Hawaii as well as on the mainland.

Co-Requisite: None

Rec Preparation: None

ICS 186 - NETPREP WIDE AREA NETWORKS (3.0)

This course is designed to provide the student with conceptual and working knowledge of how Local Area Networks communicate over a wide area. This course will introduce the student to telephony, the technology of switched voice communications. The course further provides students with an understanding of how communications channels of the public switched telephone networks are used for data communications, and how voice and data communications have become integrated.

PreRequisite: ICS 184 or consent of instructor.The ICS Department has carefully planned the sequencing of all