# Leeward Community College
# ICS 111 - Intro Comp Sci I

1.  **Course Alpha**

    ICS

2.  **Course Number**

    111

3.  **Number of Credits**

    3.0

4.  **Effective Term**

    Fall 2006

5.  **Course Title**

    THE INTERNET

6.  **Prerequisites**
    **What evidence exists that the course is taught so that skills are built on what has been learned earlier in the course (or in a previous course) and will lead to what will be learned in a future course? (addresses sequencing)**

    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.

7.  **Corequisites**

    None

8.  **Recommended preparation**

    None.

9.  **Catalog Description**

    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.

10. **What are the general student learning outcomes? (What knowledge and/or skills will successful completion develop in the students?)**

    Upon successful completion of the course the student should be able to:
    1.  Discuss the history of the Internet
    2.  Define the Internet Explain the terminology of the Internet
    3.  Explain how the Internet works
    4.  Connect to the Internet
    5.  Operate the operating system used to connect to the Internet
    6.  Navigate through various Internet resources to process email, access and provide

information, and communicate with other networks
7. Develop materials for Internet delivery
8. Explain the social impact of the Internet
9. Describe the current problems of the Internet
10. Describe the future of the Internet

11. **Course Content**
**What evidence exists that the course content is appropriate, relevant, and covered in sufficient depth? (addresses breadth, depth, relevancy) What evidence exists that the course reflects current theory and practice in the content area? (addresses currency)**

- History and growth of the Internet 5%
- What is the Internet 5%
- Basic Unix Commands 5%
- Internet Applications/Utilities 15%
- Connecting to the Internet 5%
- Basic PC/Windows 5%
- Basic Networking 10%
- TCP/IP 10%
- Security 5%
- Communications Systems 10%
- Future of the Internet 5%
- World Wide Web and page creation 20%

This course covers all topics normally included in an introductory course the Internet, as evidenced by all available texts in computer literacy and the topics covered by other college-level introductory computer courses, according to college catalogs and review of course outlines (e.g., UH-Manoa). The course covers all topics needed for successful use of the Internet in business, education and personal need.   Individual course syllabi, study guides, and required assignments and readings indicate the breadth and depth of the course.

Evidence that the course reflects current theory and practice in computer literacy is gained by comparing the course syllabus and tutorials with those for ICS 102 at other community colleges such as Honolulu Community College. Evidence can also be found in the continued use of new editions of introductory texts, which reflect notions of currency by experts in the field. Comparing detailed lessons and tutorials used over the past five years, and noting revision to reflect current theory and practice in the field, is also evidence. This material is available from the ICS department.

12. **How is this course related to the educational needs and goals of the division, college, and community as reflected in the Strategic Plan? How is it related to courses and programs in other disciplines?**

This course relates to the ADP by satisfying the demands of industry for basic computer skills. Additionally it is required for the Digital Media Certificate. The class also satisfies community needs for those wishing to upgrade job skills or to pursue general interest courses.

13. **For what program was the course designed? Is it an approved program? Will the course be required or elective? Will the course lengthen the time for the students to complete the program? Will it replace another course?**

This course is an elective for the AS degree in ICS. It is required for the Certificate in Digital Media. The ICS degree is officially recoginzed by the ICS/IS/DP Program Coordinating Council for the Community College system.

14. **How many hours will the students spend per week in lectures, laboratories, seminars, or other supervised instruction?**

45 hours of lecture and/or supervised instruction.

15. **What independent work will be required of students? (Reading, research, writing, special projects, etc.) For written or other special projects, identify the usual number**

**and length of projects. For readings, where the entire book or pamphlet is not used**

Students are expected to spend an average of 2 hours outside of class for every hour spent in class. The entire book is generally used for the course. Students will complete web page projects outside of class involving use of current web editor software. Other activities may include homepage creation, web site evaluation, and written research papers utilizing current software and email.

16. **What experiential or professional preparation is required to teach this course? Do we have a full-time faculty member who meets these requirements? If not, who will teach the course?**

    All full-time faculty can teach this course.

17. **Is a similar course taught at any other community college? Any other UH college? If so, provide information about the course identification and content of similar courses. If this course differs in important ways from existing similar courses, explain how.**

    This course is offered at all community colleges in the State of Hawaii. Differences in course delivery have been agreed upon by the ICS/IS/DP Program Coordinating Council and are insignificant. The course is articulated between all campuses in the Community College system.

18. **If this course is comparable to a course taught on a four-year campus, and is intended to count in lieu of that course, the proposal must contain evidence of up-to-date information as to the content and objectives of the course on the four-year campus. (This information may be obtained through discussion with faculty teaching the course on the four-year campus or by obtaining a copy of the course syllabus or outline.)**

    No. This course in not comparable to any course taught on a four-year campus.

19. **If the course is appropriate for articulation with the UHM general education core or with any other department or college requirements on a UH four-year campus, provide a brief rationale.**

    No. This course will count as an elective only at other four-year campuses.

20. **Methods of instruction**

    - ClassDiscussion
    - Computer Activities
    - Group discussions
    - Lectures
    - Overhead

21. **Methods of Evaluation**

    - Exam
    - Take home assignments
    - Written projects

22. **Is Textbook Required**

    The Internet Book by Douglas E. Comer Prentice Hall, Englewood Cliffs, New Jersey 07632, 1997.

    Flash drives for file maintenance.

23. **Exclude from Catalog**

    NO