

ICS 101 – Digital Tools for the Information World

3 Credits
MW 1:00-2:15 pm

INSTRUCTOR: Laura Sue
OFFICE: Hale Palanakila 119A
OFFICE HOURS: Mondays 2:30-4:00 pm & Wednesdays 10:00-11:30 am in Hale Palanakila 122
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EFFECTIVE DATE: Fall 2016

Windward Community College Mission Statement

Windward Community College offers innovative programs in the arts and sciences and opportunities to gain knowledge and understanding of Hawai'i and its unique heritage. With a special commitment to support the access and educational needs of Native Hawaiians, we provide O'ahu's Ko'olau region and beyond with liberal arts, career and lifelong learning in a supportive and challenging environment — inspiring students to excellence.

Catalog Description

Fundamental information technology concepts and computing terminology, productivity software for problem solving, computer technology trends and impact on individuals and society. Emphasizes the utilization of operating systems and the production of professional documents, spreadsheets, presentations, databases, and web pages. (3 hr. lect).

Recommended Preparation: 1 yr. high school algebra or equivalent.

Student Learning Outcomes

1. Utilize the appropriate computing applications to produce professional documents, spreadsheets, presentations, databases, and web pages for effective communication (major content area).
2. Utilize operating system interfaces to manage computing resources effectively and securely.
3. Extract and synthesize information from available Internet resources using intelligent search and discrimination.
4. Define, explain, and demonstrate proper computing terminology usage in areas such as hardware, software, and communications to effectively interact with other computer users and to prepare for higher-level computer courses.
5. Describe ethical and security issues involved in the use of computing technology.

Course Tasks and Student Learning Outcomes Alignment

| Student Learning Outcomes | Projects | Exercises | Exams |
|---|------------------|--|-------------|
| Utilize the appropriate computing applications to produce professional documents, spreadsheets, presentations, databases, and web pages for effective communication (major content area). | Research project | All classwork and homework assignments | Exams 1 - 4 |
| Utilize operating system interfaces to manage computing resources effectively and securely. | | File management assignment | |
| Extract and synthesize information from available Internet resources using intelligent search and discrimination. | Research project | | |
| Define, explain, and demonstrate proper computing terminology usage in areas such as hardware, software, and communications to effectively interact with other computer users and to prepare for higher-level computer courses. | | | Final exam |
| Describe ethical and security issues involved in the use of computing technology. | | Ethics assignment | Final exam |

Assessment Tasks and Grading

| Assignments | Points | Percentage of Total |
|--------------------|------------|---------------------|
| Classwork | 50 | 10% |
| Homework | 200 | 40% |
| Research Project | 25 | 5% |
| Exams 1-4 | 150 | 30% |
| Final Exam | 75 | 15% |
| GRAND TOTAL | 500 | 100% |

Final grades for the course will be as follows:

- A 90-100% of possible points
- B 80-89% of possible points
- C 70-79% of possible points
- D 60-69% of possible points
- F 0-59% of possible points

Learning Resources

Required Software (available on computers on campus):

- Windows Computers (one of the following)
 - Microsoft Office Professional 2007/2010/2013/2016
 - Microsoft Office Student & Family 2007/2010/2013/2016 & use of Microsoft Access 2007/2010/2013/2016
- Apple Computers (one of the following)
 - Microsoft Office 2011/2016 & use of Microsoft Access for Windows
 - Microsoft Office Professional 2007/2010/2013/2016 running on a Windows partition such as Boot Camp or Parallels (requires Windows to also be installed)

Laulima: <https://laulima.hawaii.edu>

Additional Information

Business-like behavior: ICS courses at Windward Community College are part of the Business department. In order to fulfill the objectives of the Business department, students are expected to present business-like behavior. Business-like behavior includes:

Attendance: Attend class regularly. This includes arriving on time and remaining until the end of class. Students who attend class regularly are more likely to earn higher grades.

Online Discussions: Be courteous in online discussion areas.

Turn in assignments on time: Start assignments before the due date. If situations arise which prevent assignments from being completed on time, notify the instructor right away.

Ask for assistance: In a business, if you were uncertain about what to do, you would ask your boss for direction. In this class, ask the instructor for assistance.

Absences: Students who are ill or have other documented reasons for missing class should email the instructor prior to class for an excused absence. The student is responsible for the material covered in class and any in-class work missed. Any assignments due at the beginning of class should be turned in online or at the start of the next class. Students will be given two “classwork free passes”. Each pass may be redeemed for one classwork assignment when missing class for any undocumented reason. Passes may not be shared or duplicated. When redeeming a pass, please include your first and last name as well as the date or classwork number to apply the points to.

Exams: The exams will be based on class lessons, class readings, and understanding and comprehension of skills learned in class. The final exam will be comprehensive. Exams 1 through 4 will be hands-on to demonstrate practical knowledge of software usage. The final exam will be in the question and answer format

(not hands-on). Completing all the classwork and homework will be an immense help in completing the exams with a high score.

Notify the instructor if you know in advance that you will be unable to attend class on an exam day. If you are unexpectedly absent on an exam day, you must contact the instructor by 5 pm that day and explain your situation. Students who do not meet these requirements will receive a 0 for the exam.

Late work: Assignments may be submitted up to one week late for an automatic penalty of 10%. No assignments will be accepted after **Thursday, December 8, 2016**, the last day of instruction for Fall 2016.

Email: Please use your UH email address for this course. Any information regarding the class will be sent to your UH email address, so check your email frequently. Email is also the preferred method of contacting the instructor.

Academic Dishonesty: Academic dishonesty includes, but is not limited to, file sharing (giving or receiving files between students), more than one student working on the same file, and copying work in full or in part from another student or other sources such as the Internet. Any student caught cheating will automatically receive a 0 for the assignment. In addition, a report of the incidence will be filed, which may result in the student being expelled from the school. For more information, please see the college catalog for the school's policy on academic dishonesty.

Disabilities Accommodation Statement

If you have a physical, sensory, health, cognitive, or mental health disability that could limit your ability to fully participate in this class, you are encouraged to contact the Disability Specialist Counselor to discuss reasonable accommodations that will help you succeed in this class. Ann Lemke can be reached at 235-7448, lemke@hawaii.edu, or you may stop by Hale 'Akoakoa 213 for more information.

Course Content

Concepts Covered:

1. Functions of an operating system and difference between an operating system and application software.
2. Various types of application software, their functions, and how to use effectively and efficiently.
3. Information Literacy: which online search tools to use for particular types of information, evaluating online information for validity and accuracy.
4. Computing terms in areas such as hardware, software, communications.
5. Ethical and security issues involved in computing.

Skills covered in this course:

1. Use an operating system effectively & efficiently.
 - a. File management: Copy, move, delete, rename files, organize files in folders.
2. Utilize the appropriate computing applications efficiently to produce professional documents, spreadsheets, presentations, databases, and web pages.
 - a. Common skills: copy, cut, paste, edit, formatting, image manipulation.

- b. Spreadsheets: Create formulas using cell references, use functions efficiently, create charts, perform what if analysis, and other tools for efficient processing of numbers and data.
 - c. Word processing: Produce documents of various formats, use word processing to efficiently format a research paper, and other documents.
 - d. Database: Create and use forms to effectively input and update data, use queries and reports to produce information.
 - e. Web page: Create a simple webpage that contains links and images.
3. Find and evaluate information online.
- a. Use search engines, periodical indexes and other search tools.
 - b. Properly cite information and produce a bibliography efficiently with word processing tools.