ICS101 – Digital Tools for the Information World
3 Credits
CRN: 60260 - Distance Learning

INSTRUCTOR: Vanessa Cole
OFFICE: Na‘auao 143
TELEPHONE: 236-9243 (Office phone is shared. Use phone as a last resort to contact me.)
EMAIL: vanessa@hawaii.edu (preferred method of contact) Use your UH email address
OFFICE HOURS: See hours course web site
Other times by appointment and via Skype
EFFECTIVE DATE: Fall 2010

WINDWARD COMMUNITY COLLEGE MISSION STATEMENT

Windward Community College is committed to excellence in the liberal arts and career development; we support and challenge individuals to develop skills, fulfill their potential, enrich their lives, and become contributing, culturally aware members of our community.

CATALOG DESCRIPTION

Hands-on computer class with emphasis on producing professional level documents, spreadsheets, presentations, database, and web pages for problem solving. Includes concepts, terminology, and a contemporary operating system. (3 hr. lect).

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

STUDENT LEARNING OUTCOMES

1. Utilize the appropriate computer applications to produce professional-level documents, spreadsheets, presentations, databases, and web pages for effective communication (major content area).
   a. Produce documents in a variety of formats.
   b. Create, edit, and format electronic spreadsheets using formulas, functions, and charts.
   c. Utilize a database with queries and reports that display required data.
   d. Create and organize a variety of electronic slides using templates, background styles, graphics, photos, and animation effects.
   e. Create web pages that contain hyperlinks and images that are suitable for publication.
2. Utilize operating system interfaces to manage computer resources effectively.
3. Extract and synthesize information from available Internet resources using intelligent search and discrimination.
4. Define, explain, and demonstrate proper computer 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 issues involved in the use of computer technology.

COURSE CONTENT

<table>
<thead>
<tr>
<th>Concepts</th>
<th>Skills</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Utilize the appropriate computer applications to produce professional-level documents, spreadsheets, presentations, databases, and web pages for effective communication (major content area).</td>
<td>1. Utilize the appropriate computer application(s) to produce professional-level documents, spreadsheets, presentations, databases, and web pages for effective communication (major content area).</td>
</tr>
<tr>
<td>1) Editing.</td>
<td>1) Create and edit a product.</td>
</tr>
<tr>
<td>2) Formatting.</td>
<td>2) Apply formatting to enhance the</td>
</tr>
</tbody>
</table>
3) Graphical objects.
4) Tools such as spell check.
5) Tables.

b. Spreadsheets
   1) Mathematical or financial analysis.
   2) “What if” analysis.
   3) Formulas and functions.
   4) Charts.

c. Word processing
   1) Documents such as memos, letters, reports, résumés, newsletters.
   2) Template documents.

d. Database
   1) Database structure.
   2) Logical models with queries, forms, and reports.
   3) Database integrity.

e. Presentation
   1) Slides, templates, background styles, graphics, photos.
   2) Animation and transition effects.

f. Web page design
   1) HTML, hyperlinks, images.
   2) Web publishing.

g. Application integration such as:
   1) Copy/cut-and-paste.
   2) Object linking.
   3) Embedding.

2. Utilize operating system interfaces to manage computer resources effectively
   a. Operating system.
   b. File management.
   c. Relationship between system software and application software.
   d. User interface.

3. Extract and synthesize information from available Internet resources using intelligent search and discrimination
   a. Client/server.
   b. Internet applications.

4. Define, explain, and demonstrate proper computer 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.
   a. Computer literacy concepts and terminology.
   b. Computer hardware components, their functions, and upgrades.
   c. Software and software updates.

   Effectiveness of a product.
   3) Solve problems using application programs.
   4) Choose the proper application software to solve a specific problem and/or produce a desired output.
   5) Insert and manipulate graphic objects and tables.
   6) Utilize common tools such as spell check.

b. Spreadsheet
   1) Create, edit, and format electronic spreadsheet using formulas and functions.
   2) Create charts to visually depict spreadsheet data.
   3) Utilize spreadsheet analysis to perform “what if” analysis.

c. Word processing
   1) Produce documents in a variety of formats.
   2) Produce a document using a template.

d. Database
   1) Utilize a database with queries and reports that display required data.
   2) Answer a question by querying and reporting data.
   3) Maintain (update) data currency.

e. Presentation
   1) Create and organize a variety of electronic slides using templates, background styles, graphics, photos, and animation effects.
   2) Organize content into succinct slide presentations.

f. Web page design
   1) Create web pages that contain hyperlinks and images that are suitable for publication.
   2) Describe web publishing requirements.

g. Application integration: Copy, paste, and link content across applications.

2. Utilize operating system interfaces to manage computer resources effectively.
   a. Demonstrate use of an operating system to perform file management.
   b. Differentiate the functions of system software versus application software.

3. Extract and synthesize information from available Internet resources using intelligent search and discrimination.
5. Describe ethical issues involved in the use of computer technology.
   a. Ethical issues and behavior regarding computer usage including copyright infringement, security and safety online.
   b. Social issues in relationship to technology use such as piracy, security intrusion, electronic and other misuses.

   a. Use an Internet client to navigate and search the Internet.
   b. Refine online research techniques.
   c. Use and identify Internet communication programs (electronic mail, chat, bulletin boards, and discussion groups) to communicate effectively and send/receive attachments.
   d. Discriminate between web sites for reliability and validity of information.

4. Define, explain, and demonstrate proper computer 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.
   a. Explain fundamental computer literacy concepts and terminology.
   b. Use proper terminology to describe computer hardware components and their function in processing software instructions and input data.
   c. Explain the necessity for computer hardware and software updates.
   d. Differentiate between saving and backing up data.

5. Describe ethical issues involved in the use of computer technology.
   a. Discuss the ethical issues regarding computer usage including copyright infringement, security and safety online

---

**COURSE TASKS AND GRADING**

<table>
<thead>
<tr>
<th>AREA</th>
<th>POINTS</th>
<th>Percentage of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Software Projects</td>
<td>270</td>
<td>45%</td>
</tr>
<tr>
<td>Topic Report</td>
<td>60</td>
<td>10%</td>
</tr>
<tr>
<td>Information Resources</td>
<td>30</td>
<td>5%</td>
</tr>
<tr>
<td>SimNet Lessons</td>
<td>30</td>
<td>5%</td>
</tr>
<tr>
<td>Mini Exams</td>
<td>120</td>
<td>20%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>90</td>
<td>15%</td>
</tr>
<tr>
<td><strong>GRAND TOTAL</strong></td>
<td><strong>600</strong></td>
<td></td>
</tr>
</tbody>
</table>

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

Points are deducted for late assignments (10% per week). Assignments are not accepted more than 3 weeks late. All work must be turned in by the last day of instruction for the semester.

*No incompletes or N grades will be given. You must take responsibility to complete the course or withdrawal. Unexpected extenuating circumstances will be reviewed for an exception.*
LEARNING RESOURCES

Virtual Textbook:  SimNet Online
Course Website:  http://vanessa.wcc.hawaii.edu/ICS101
Laulima:  https://laulima.hawaii.edu/portal

ADDITIONAL INFORMATION

Distance Learning:  This course is distance learning using Laulima and web resources. The same amount of time as normal classroom courses is required to complete the work for this course.

IT IS IMPERATIVE THAT YOU WORK ON THE COURSE EACH AND EVERY WEEK.

Each week, schedule yourself enough time to complete the lessons and assignments. Students are responsible for their own performance in the class.

Exams:  The midterm & final exams will be based on class lessons, readings from texts, handouts, and understanding of skills learned in class. The final exam will be comprehensive. The exams are questions and answer and not hands on. Doing all the lessons, exercises, projects will be an immense help to you in completing the exam with a high score.

Assignments:  All assignments, lessons, exercises will be posted online. Students are responsible to check the calendar frequently for class changes, information, and assignments. Assignments should be turned in via Laulima or email as specified in the assignment. Each student is individually responsible to see that work is completed on time. All work must be student’s own work.

Assignments are normally graded within one week from the due date. Late assignments will be graded late and sometimes not until the end of the semester. If you want quick grading, be on time!

Email:  Information regarding the class will be sent to your UH email address, check your email frequently. Email also the preferred method of contacting the teacher. Use only your UH email address to correspond with the instructor.

Ask Questions:  Students are often more successive if they ASK QUESTIONS! If you don't understand a term used - ASK! If you are uncertain of steps to take on a project - ASK! If you need extra help - ASK! The teacher is always more than willing to give help, but does not know if you need help unless you ask.

Individual Responsibility:  My philosophy is that students in college are adults and therefore responsible for their own performance in class. Each student must take the responsibility to check the course schedule and be sure that all lessons and assignments are completed. Students who take responsibility for their own actions will be better equipped to deal with later employment. Learn to take control of your own life – take responsibility for completing your work.

Zero Tolerance for Academic Dishonesty:  Cheating by file sharing (giving or receiving files between students), more than one student working on the same file, or copying work (in full or in part) from other sources such as the Internet, and any other form of academic dishonesty will not be tolerated. Anyone caught cheating will be assigned MINUS 60 points for that assignment, in addition a report of the incidence will be filed, which may result in the student being expelled from the school.

Be aware that files used for projects in this course have special hidden codes for each student.

DO YOUR OWN WORK and everything will be fine.

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 Calendar

See course website