PROPOSAL TO INITIATE, MODIFY OR DELETE A COURSE

1. TYPE OF ACTION
   A. Addition [X] Regular [ ] Experimental [ ] Other __________________________ (specify)
   B. Deletion [ ]
   C. Modification [ ] in credits [ ] in title [ ] in number or alpha [ ] in prerequisites [ ] Other __________________________ (specify)

2. NEW ALPHA, NUMBER AND TITLE
   ICS 107 The Internet with WEB Site Development

3. CREDITS ______

4. OLD ALPHA, NUMBER AND TITLE

5. CREDITS ______

6. NEW CATALOG DESCRIPTION
   This course is a followup course to ICS 102 The Internet. Students will review Internet concepts and terminology. Hands-on activities will include connecting to the Internet, creating sophisticated World Wide Web pages, and developing professional World Wide Web sites. A variety of Internet resources will be demonstrated and subsequently explored by students. Design, marketability, HTML language, and CGI skills will be emphasized.

7. PREREQUISITES
   ICS 102 or consent of instructor

8. STUDENT CONTACT HOURS PER WEEK
   Lecture 3 Lecture/Lab ______ Lab ______ Other (specify) ______

9. PROPOSED DATE OF FIRST OFFERING
   Spring 1998

10. THIS COURSE [X] IS REQUIRED [ ] IS AN ELECTIVE FOR THE WCC Business Technology CC PROGRAM/CORE
    (Please specify) (Circle appropr.) REQUIRED
    (Please specify)

11. THIS COURSE [ ] INCREASES [ ] DECREASES [X] MAKES NO CHANGE IN NUMBER OF CREDITS REQUIRED FOR THE PROGRAM/CORE

12. SIMILAR COURSES OFFERED ELSE WHERE:
   College(s): Kapi'olani CC
   Alpha. Number. Title: BCIS 107 The Internet with Web Site Development

13. THIS COURSE IS [ ] ALREADY ARTICULATED [ ] APPROPRIATE FOR ARTICULATION [X] NOT YET APPROPRIATE FOR ARTICULATION
    (Provide details of existing or desired articulation (date, college(s), purposes, pre-major or major, etc.)

14. REASON FOR INITIATING, MODIFYING OR DELETING COURSE OR OTHER PERTINENT COMMENT:
   To add new ICS courses that comply with PCC Recommendations. Many ICS 102 students have requested a followup to The Internet.

REQUESTED BY: ________________
Department Chairperson
Date 9-19-97

APPROVED BY: ________________
Department Chairperson
Date 10/29/97

Curriculum Committee
Date 11/4/97

Faculty Senate
Date 11-5-97

Dean of Instruction
Date 11/6/97

Provost
Date 3/24/98

Change recorded by Catalog Preparer

CCCM #6100
(Amended for WCC use Sept. 1991)
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WCC FORM FOR NEW COURSE PROPOSALS

Course: ICE 107 The Internet with Web Site Development
Submitted by: Peggy Regentine
Date: September 18, 1997

1. This course relates to the educational needs and goals of the College/Department/Community as reflected in the EDP(currently 1996-2002 ACADEMIC DEVELOPMENT PLAN) in the following ways:

   The course will help students "acquire and effectively use the tools for learning." The Internet is one of the most effective tools available for helping students become information/research literate.

   The course will expand on the concept of learning and focus on developing vital skills for vocational purposes. (Direction 2 of the EDP - page 13) ICS 107 will allow broader career choices for students. By developing skills taught in ICS 107, students will have a firm basis for web mastering.

   The course will provide a variety of learning environments. (Direction 5 - page 14) Students will work with an operating system, several computer software programs, network and modem hardware, the Internet, and the community by completing service learning projects.

   The course will expand community ties. (Direction 7 - page 15) Students will create home pages for clients via a service learning project.

   The course promotes an international perspective. (Direction 9 - page 15) Students will evaluate and visit web sites all over the world. The Internet is one vehicle to bring Hawaii closer to the rest of the universe.

2. Elizabeth Braffet, WCC’s Media Specialist for the Media Production Center, will teach the course. Braffet has taught ICS 102 twice, has led HERN workshops during the summers of 1996 and 1997, has mentored many “web masters” at WCC, and presently has designed and maintained WCC’s web site. She is responsible for the hiring of students to create a Taro page and a Community Services web page for our continuing education department.
3. The same course is taught at KCC. ICS 107 is designed to conform with the PCC recommendations.

4. No, the course is NOT experimental nor unique to WCC.

5. At present the course is not being taught at UH.

6. Course Outline attached.

7. Not appropriate for transfer at this time.
Course Outline

WINDWARD COMMUNITY COLLEGE

COURSE: (ICS 107) The Internet with Web Site Development

CREDIT HOURS: 3 Lecture

PREREQUISITES: ICS 102

REQUIRED TEXTS: Suggested Texts


INSTRUCTOR: Elizabeth Braffet

OFFICE: Judd (Media Center)

OFFICE PHONE: 235-7312

OFFICE HOURS: To be announced the first day of class
COURSE DESCRIPTION:
This course is a follow up course to ICS 102 The Internet. Students will review Internet concepts and terminology. Hands-on activities will include connecting to the Internet, creating sophisticated World Wide Web pages, and developing professional World Wide Web sites. A variety of Internet resources will be demonstrated and subsequently explored by students. Design, marketability, HTML language, and CGI skills will be emphasized.

REQUIREMENTS COURSE SATISFIES:

AT WCC: Microcomputer Applications Certificate of Completion elective

HOURS PER WEEK: ICS 107 will consist of 3 lecture hours.

SPECIFIC COURSE OBJECTIVES:

Upon successful completion of ICS 107, the student should be able to:

- Discuss network connectivity and network performance
- Provide pros and cons of current Internet Service Providers
- Connect to the Internet
- Use successfully the operating system commands needed to connect to the Internet
- Download and Upload files using FTP or similar programs
- Master browsing the Internet through Lynx, Web Crawler, Archie, Veronica, Gopher, WAIS, etc.
- Use Search Engines to find needed files for web pages
- Use proficiently the Hyper Text Markup Language (HTML)
- Create home pages with good design and structure
- Add scintillating sound and vivid video to web pages
- Create forms, databases and CGI applications on webpages
- Explain the concept of the Java applet
- Review current Web Publishing Software (Editors, Validators and Converters)
- Discuss issues and the future of Web Publishing

EVALUATION

The requirements for this course consist of three to five projects, a midterm exam, and a comprehensive final exam. Each of the projects will have equal weight. The midterm and final exams will weigh twice a project. A student must average 60% on both exams to pass the course.
Course Outline

COURSE INFORMATION
Course Name: The Internet with Web Site Development
Course Alpha: ICS107
Credit Hours: 3 credit hours
Catalog Description: This course is a follow up course to ICS 102 The Internet. Students will review Internet concepts and terminology. Hands-on activities will include connecting to the Internet, creating sophisticated World Wide Web pages, and developing professional World Wide Web sites. A variety of Internet resources will be demonstrated and subsequently explored by students. Design, marketability, HTML language, and CGI skills will be emphasized.
Requirements Course Satisfies At WCC: Elective
Prerequisite: ICS 102 or consent of instructor

INSTRUCTOR INFORMATION
Instructor: Vanessa Cole
Office: No'eau 111
Office Phone: 235-7304
Office Hours: Mon, Weds 10:15-10:30am & 12:20-12:35pm
Tues, Thurs 5:30-6:00pm

CLASS INFORMATION
Class Day & Time: Mon, Tues, Weds 6:00pm-8:20pm
Effective Date: Summer, 2000

Course Objectives:
♦ Upon successful completion of ICS 107, the student should be able to:
♦ Discuss network connectivity and network performance & Internet Service Providers
♦ Connect to the Internet
♦ Download and Upload files using FTP or similar programs
♦ Use Search Engines to find needed files for web pages
♦ Use proficiently the Hyper Text Markup Language (HTML)
♦ Create web pages with good design and structure
♦ Add multimedia elements to webpages
♦ Create forms, databases and CGI applications on webpages
♦ Explain the concept of the Java applet
Method of Grading:
A total of 750 points are possible broken down as follows:

<table>
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<th>AREA</th>
<th>POINTS</th>
<th>TOTAL</th>
<th>Percentage</th>
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<tr>
<td>Attendance/Participation/Quizzes</td>
<td>60</td>
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<tr>
<td>Library Books (3)</td>
<td>10</td>
<td>30</td>
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<tr>
<td>Projects (5)</td>
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<td>210</td>
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<tr>
<td>Special Report</td>
<td>60</td>
<td>60</td>
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<tr>
<td>Midterm Exam</td>
<td>90</td>
<td>90</td>
<td>15%</td>
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<tr>
<td>Final Exam</td>
<td>150</td>
<td>150</td>
<td>25%</td>
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<tr>
<td>GRAND TOTAL</td>
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<td>600</td>
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Exams will be based on class lectures, readings from texts, handouts, and skills learned in class. The final exam will be comprehensive. 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. No projects or other work will be accepted after the last day of instruction. No incompletes will be given.

Assignments: All assignments will be posted online. Students are responsible to check the class webpage frequently for class changes, information, and assignments.

Participation: ASK QUESTIONS!!!! If you don't understand a term used - ASK! If you are uncertain of your answers on a project - ASK! If you need extra help - ASK!

Attendance: If you miss any classes, you are responsible for any work missed. Please ask me specifically for any handouts and assignments. Get notes online and from a fellow student.

Mode of Instruction: The course will be presented with lectures on basic concepts and labs with hands-on exercises and projects.
ICS107
Monday/Tuesday/Wednesday
6:00pm-8:20pm

Monday, June 19
Overview of Course, Introduction
 Chapters 1

Tuesday, June 20
Page elements & design concepts, Ethics
 Chapters 2-3

Wednesday, June 21
Beginning HTML & Overview
 Chapters 5-7

Monday, June 26
Graphics
 Chapters 14-17
 Project 1

Tuesday, June 27
More HTML
 Chapters 8-10

Wednesday, June 28
Frames, Forms & SSI
 Chapters 11-13
 Library Book Lists

Monday, July 3
 Project 2

Tuesday, July 4
Holiday No Class

Wednesday, July 5
 Midterm Exam

Monday, July 10
CGI, JavaScript
 Chapters 22

Tuesday, July 11
Multimedia
 Chapters 18 - 21

Wednesday, July 12
 Special Report Presentations
 Project 3

Monday, July 17
More on Programming

Tuesday, July 18
Dealing with Servers
 Chapters 4

Wednesday, July 19
 Project 4

Monday, July 24
Emerging Technologies & the Future
 Chapters 23-27

Tuesday, July 25
Wrap up & Review
 Project 5

Wednesday, July 26
 Final Exam
IMPORTANT ONLINE INFO

Course Website
http://vanessa.wcc.hawaii.edu
*Be sure to check the website for any notices or changes in the schedule. Class assignments will also be posted on the website.

Instructors' Email Addresses
vanessa@hawaii.edu

Windward Community College Web Site:
http://www.wcc.hawaii.edu

University of Hawaii
http://www.hawaii.edu

Hawaii State Government Web Site:
http://www.hawaii.gov

Web Search Engines:
http://www.infoseek.com
http://www.altavista.com
http://www.excite.com
http://www.webcrawler.com