UNIVERSITY OF HAWAII COMMUNITY COLLEGES

PROPOSAL TO INITIATE, MODIFY OR DELETE A COURSE

1. TYPE OF ACTION
   A. Addition
   - Regular
   - Experimental
   - Other
   B. Deletion
   - in credits
   - in title
   - in number or alpha
   - in prerequisites
   - Other
   C. Modification
   - in credits
   - in title
   - in number or alpha
   - in prerequisites
   - Other

2. NEW ALPHA, NUMBER AND TITLE
   ICS 140 Elementary Operating Systems

3. OLD ALPHA, NUMBER AND TITLE
   DP 140 Elementary Operating Systems

4. NEW CATALOG DESCRIPTION
   ICS 140 Elementary Operating Systems
   This course examines and compares several operating systems used on computers. Although the emphasis will be on MS & PC DOS, comparisons with Unix, Xenix, & Vax/VMS operating systems as well as the MacIntos

5. PREREQUISITES
   ICS 100 or consent of instructor.

6. OLD CATALOG DESCRIPTION
   ICS 140 Operating Systems

7. PREREQUISITES
   ICS 100 or consent of instructor.

8. STUDENT CONTACT HOURS PER WEEK
   Lecture 3
   Lab 3
   Fall

9. PROPOSED FIRST OFFERING DATE
   Fall

10. THIS COURSE
    - X IS REQUIRED
    - X IS AN ELECTIVE FOR THE WCC PROGRAM
    - X CAN FULFILL
    - X CAN BE CREDITED TOWARD PROGRAM

11. THIS COURSE
    - X INCREASES CREDIT HOURS
    - X DECREASES CREDIT HOURS
    - X MAKES NO CHANGE IN CREDIT HOURS

12. SIMILAR COURSES OFFERED ELSEWHERE:
   College(s):
   UH Manoa
   Alpha, Number, Title:
   ICS 412 Operating Systems
   (In the past KCC offered an Operating Systems Class on minicomputer operating systems.)

13. THIS COURSE IS
    - X ALREADY ARTICULATED
    - X 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:
    This course is being modified to be consistent with the PCC recommendations.

REQUESTED BY:

APPROVED BY:

Change recorded by Catalog Preparer

(CCCM #6100
Amended for WCC
use Sept. 1991)
# Levels of Review of Course Proposals at WCC

<table>
<thead>
<tr>
<th>Level</th>
<th>Description</th>
<th>Signatures</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Subject Area (one or more instructors in the area)</td>
<td>Marie A. Yarbrough, Helen Knott-Davis, Clayton Leamon</td>
<td>10-7-93, 10-7-93, 10-7-93</td>
</tr>
<tr>
<td>2.</td>
<td>Department</td>
<td>Peggy Regan, Department Chairperson</td>
<td>10-6-93</td>
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<td></td>
<td>Was this course discussed in a dept. ming.</td>
<td>Yes</td>
<td>9-28-93</td>
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<tr>
<td>3.</td>
<td>Division</td>
<td>Assistant Dean of Instruction</td>
<td></td>
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<tr>
<td>4.</td>
<td>Curriculum Committee Review</td>
<td></td>
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- **Approved:**
- **Disapproved:**

**Reason:**

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**Curriculum Committee Chairperson:**

[Signature]

10-9-93
WCC FORM FOR COURSE MODIFICATIONS

Course: ICS 140 Elementary Operating Systems
Submitted by: Peggy Regentine
Date: October 3, 1993

1. What change is proposed in the course? Provide specific information comparing both the "new" and the "old" course.

Two changes are proposed.

The alpha will be changed from DP to ICS.

The number of contact hours will be changed from 5 to 3.

2. What is the rationale for the change?

The rationale for modifying the course is to make the course consistent with the PCC recommendations.

3. Is the change substantive enough to require a change in course identification? If so, explain thoroughly.

No.

4. Is the course articulated with any 4-year program? If yes, give details of the agreement(s) and explain any impact the proposed modifications may have on articulation.

No.

5. Provide details of any additional staff, equipment, facilities, library/media material, faculty preparation and other financial considerations that would be required to implement this course modification. What has been done to provide for these additional costs? Who will teach the course? Is additional preparation needed?

No additional staff or materials will be needed.

6. Will this course modification result in any alterations in the number of hours required to attain a certificate or degree? If yes, provide details and justification for these alterations.

There will be no change in credit hours.
7. If the course is renumbered to 100 or above, does it meet the criteria for transfer level courses?

N/A.
COURSE: Elementary Operating Systems (ICS 140)
CREDIT HOURS: 3
PREREQUISITES: ICS 100 or ICS 101
AVAILABLE TEXTS: Microsoft DOS manuals, Windows manuals, System 7 manuals, computing literacy textbooks in Haloa, magazines in Haloa 117.
INSTRUCTOR: Peggy Regentine
OFFICE: Haloa 112
OFFICE PHONE: 235-7490
OFFICE HOURS:

COURSE DESCRIPTION: This course examines and compares several operating systems used on microcomputers. Although the emphasis will be on DOS, comparisons will be made to Unix, OS/2, Windows NT, System 7, Novelle's Netware, DEC's OS, and other operating systems.

TOPICS TO BE COVERED:

1. Overview of the concepts and structure of several operating systems.
2. Prompts and messages.
3. Menus and shells.
5. Use of function keys and programming function keys.
7. Backup and restore operations.
8. Log on procedures.
10. Network options.
11. Comparison of the above operating systems.

COURSE CALENDAR:

The semester will be divided to allow investigation several different operating systems. Special emphasis will be on DOS, the operating system of the Haloa lab computers.
COURSE OBJECTIVES:

Upon completion of this course, the student should be able to:
1. Understand the structure of the DOS operating system.
2. Create batch files using Edit, copy con, Windows Write, and a word processor.
3. Develop menus for operating systems.
4. Install application Operating System menus.
5. Compare command driven systems to menu driven systems.
6. Work with shell software.
7. Properly install software on a computer.
8. Back up a computer system.
10. Properly set up a printer to a computer.

INSTRUCTION:
The above objectives will be achieved through class lectures, assigned readings, periodical readings, and computer work.

COURSE REQUIREMENTS:

1. **MAGAZINE ARTICLES** Students will be required to read and report on different operating systems.

2. **COMPUTER PROJECTS** Students will be required to use different operating systems to solve assigned projects. Some of the projects will require researching topics not found in the Jamsa text. Therefore students will have to research other texts, magazines, documentation manuals found in the Haloa Lab or in other libraries.

3. **TEST AND EXAMS** There will be a mid-term exam and a final exam.

4. **ATTENDANCE** Class participation and attendance is required. Activities assignments will be given in class and the students will be responsible for their completion. If necessary, the instructor will hand out quiz questions to insure attendance.

5. **EVALUATION** The requirements for the course consist of 10 projects, a midterm exam, and a comprehensive final exam. The exams will be based on class lectures, assigned readings from texts and periodicals, and skills involved in the project assignments. Both Midterm and Final Exams will contain both a written and hands-on section. Each of the projects will have equal weight. The Midterm Exam and Final Exam will weight twice a project. A student must average 60% on both exams to pass the course.
**POINTS**

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<tbody>
<tr>
<td>Ten Projects</td>
<td>50 points each</td>
<td>500 points total</td>
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<tr>
<td>Attendance/Discussion/Quizzes</td>
<td>50 points</td>
<td>50 points total</td>
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<tr>
<td>Midterm</td>
<td>100 points</td>
<td>100 points total</td>
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<tr>
<td>Final Exam</td>
<td>100 points</td>
<td>100 points total</td>
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<tr>
<td><strong>TOTAL</strong></td>
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<td>750 points</td>
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The letter grade for the semester will be assigned as follows:

- **A** 90% - 100% of total points possible
- **B** 80% - 89%
- **C** 70% - 79%
- **D** 60% - 69%
- **F** Below 60%

Students will need three 3 1/2 HD floppies for class.