UNIVERSITY OF HAWAII COMMUNITY COLLEGES

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  AG 180 - Landscape Maintenance
3. CREDITS  3

4. OLD ALPHA, NUMBER AND TITLE

5. CREDITS

6. NEW CATALOG DESCRIPTION
   Application of horticultural principles and practices to the maintenance of plants in the landscape. Emphasis on trees, shrubs, and annuals. Students are required to write a 10-15 page research report.

7. PREREQUISITES
   AG 20/AG 120 or consent of instructor

8. STUDENT CONTACT HOURS PER WEEK
   Lecture 2  Lecture/Lab 2  Lab __
   Other (specify) __

9. PROPOSED DATE OF FIRST OFFERING
   Fall 1999

10. THIS COURSE  □ IS REQUIRED  □ IS AN ELECTIVE FOR THE WCC PROGRAM/CORE (Please specify) (Circle appro.)
   □ CAN FULFILL AG 80, AA Degree & CTAHR elective REQUIREMENT (Please specify)

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

12. SIMILAR COURSES OFFERED ELSE WHERE:
   College(s):  Alpha, Number, Title:

13. THIS COURSE IS
   □ ALREADY ARTICULATED  □ APPROPRIATE FOR ARTICULATION WITH CTAHR UH M  □ 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 offer a transfer level Agriculture elective to the College of Tropical Agriculture and Human Resources. This course will offer students another choice if they have an interest in a Bachelor's Degree.

REQUESTED BY:  

APPROVED BY:

CCCM #6100
(Amended for WCC use Sept. 1991)
LEVELS OF REVIEW OF COURSE PROPOSALS AT WCC

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<tr>
<td>Joseph E. Crotti</td>
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<tr>
<td>Harriett Wood</td>
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<td>Michael Lane</td>
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Was this course discussed in a dept. mng. | 9/18/98 | approved |

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Was this course discussed in a dept. mng. | 9/18/98 | approved |

4. Curriculum Committee Review

Approved | x |

Disapproved | |

Reason: | |

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Curriculum Committee Chairperson
WCC FORM FOR NEW COURSE PROPOSALS

Course AG 180 Submitted by David Ringuette Date 9/30/98

1. How is this course related to the educational needs and goals of the College/Department/Community as reflected in the EDP?

To offer a transfer level Agriculture elective to the College of Tropical Agriculture and Human Resources. This course will offer students another choice if they have an interest in a Bachelor's Degree.

2. Provide details of any additional staff, equipment, facilities, library/media material, faculty preparation and other financial support that would be required to implement this course. (Include an estimate of the actual cost of supplies and equipment.) What has been done to provide for these additional costs for the proposed date of offering? Who will teach the course?

None

3. Is a similar course taught elsewhere in the UH system? No
   If yes, provide details of how this course differs from existing similar courses.

4. Is this course experimental and/or unique to Windward Community College? No
   If yes, provide rationale and details of its impact on the College curriculum.

5. Is a similar course taught on the upper division level by a 4-year UH college? No
   If yes, explain why this course is appropriate at the lower division or how it differs from its upper division counterpart.

6. Please attach a complete course outline. Your course outline should address all the items listed in the Guidelines for Course Outlines.

7. If this course is numbered 100 or above or appropriate for transfer to a 4-year college, complete and attach WCC Form for Transfer Courses (blue). (See attached criteria for transfer courses.)
ARTICULATION

This course will only be articulated with the College of Tropical Agriculture and Human Resources at the University of Hawaii at Manoa. The course will transfer as elective credits for students in CTAHR (please read the enclosed letter from CTAHR). This course will not be in the transfer handbook and it does not meet general education core requirements.
August 19, 1998

Mr. David Ringuette  
Windward Community College  
45-720 Keaahala Road  
Kaneohe, HI 96744

Dear Dave:

The Horticulture Curriculum Committee discussed your request to evaluate the course syllabus for AG 20 (formerly AG 43), AG 80, and AG 82 and came up with recommendations to bring them up to the 100 level. The Committee felt that the courses are quite good. To strengthen them, the Committee recommended that students write a term paper in each course which would be sufficient to justify the 100 level.

The Curriculum Committee commends Windward Community College for its high quality agricultural program.

Sincerely yours,

Kent D. Kobayashi, Chair  
Horticulture Curriculum Committee
A requirement of this course is to write a 10-15 page research report. The minimum length of the report will be 10 pages and the maximum length will be 15 pages. The number of pages counted for this report will only be prose, i.e. title page, reference page, etc. will not count in the total. All reports will be type written with a maximum 14 point letter size and double spaced. The report shall be footnoted and have a bibliography. You are required to use a minimum of six references, one reference must come from each of the following sources: a journal/periodical, Internet, book, and personal interview. The topic of this report must be addressed in this course and approved by the instructor. You will also give a 5-10 minute oral presentation of your report at the end of the course to the class.
WINDWARD COMMUNITY COLLEGE

OUTLINE OF COURSE OBJECTIVES

COURSE NAME: Landscape Maintenance

COURSE ALPHA: AG 180

CREDIT HOURS: 3

CATALOG DESCRIPTION: Application of horticultural practices to the maintenance of plants in the landscape. Emphasis on trees, shrubs, and annuals. Students are required to write a 10-15 page research report.

REQUIREMENTS COURSE SATISFIES:

At WCC: Meets Certificate of Completion in Plant Landscaping and A.A. elective

At UHM: UHM CTAHR elective

PREREQUISITES: AG 20/AG 120 or consent of instructor

RECOMMENDED PREPARATION:

RECOMMENDED ATTIRE/TOOLS:

Work clothes with closed shoes for field work and pruners and knives.

INSTRUCTOR: David Ringuette

OFFICE: Uluwehi (Greenhouse)

OFFICE PHONE: 235-7496 or 235-0077 X 496

EFFECTIVE DATE: Fall 1999
AG 180

COURSE DESCRIPTION:

Application of horticultural principles and practices to the maintenance of plants in the landscape. Emphasis on trees, shrubs, and annuals.

Topics to be covered:

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<thead>
<tr>
<th>Week</th>
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<tbody>
<tr>
<td>1</td>
<td>Landscape function-plants, hardscape</td>
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<tr>
<td>2</td>
<td>Blue print reading/surveying</td>
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<tr>
<td>3</td>
<td>Installation and care of plants</td>
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<td>4</td>
<td>Annuals</td>
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<td>5</td>
<td>Shrubs</td>
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<td>Small trees</td>
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<td>8</td>
<td>Equipment use and maintenance</td>
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<td>9</td>
<td>Residential maintenance</td>
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<td>10</td>
<td>Roads and parking area maintenance</td>
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<td>11</td>
<td>Recreation area maintenance</td>
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<td>12</td>
<td>Soil erosion control</td>
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<td>13</td>
<td>Plant selection</td>
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<td>14</td>
<td>Scheduling/Record keeping</td>
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<td>15</td>
<td>Public Relations</td>
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<td>16</td>
<td>Interior landscapes</td>
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</tbody>
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METHOD OF EVALUATION: Examinations 50%

- Quizzes 10%
- Participation 10%
- Paper 30%

A 10-15 page research report must be completed and turned in one week before the end of the semester. A report grade of 70 or less will result in failure of the course, regardless of other grades.

GRADES: A = 90% or greater
- B = 80-89%
- C = 70-79%
- D = 60-69%
- F = Less than 60%

Please refer to the WCC College Catalog for audit, withdrawal, incomplete options.
COURSE DESCRIPTION

This course covers the proper maintenance and installation of plants for Hawaiis' landscapes. Plant selection, soil preparation, pruning, fertilizing, and pest and disease control are also covered. (Prerequisites: AG 20 Plant Science or consent of Instructor.)

2 C/ 2 lect, 2 lab, 0 OJT

COURSE FOCUS

This course will focus upon the application of horticulture principles to landscape situations. Emphasis will be placed on the care of trees, shrubs, ground covers, bedding plants, and lawns. Throughout the course a hands-on-approach to learning will be practiced.

TEXT AND REFERENCES

TEXT: Landscape Management by Fuecht and Butler
REFERENCES: Hand outs will be provided by the instructor.
TOOLS: It is highly recommended the student purchase a pair of hand pruners for use in the class.

COURSE GOALS

The following list of course goals will be addressed in the course. These goals are directly related to the performance objectives (Addendum A). (* designates a CRUCIAL goal)

1. identify physical and chemical soil types
2. sample soil
3. interpret soil test
4. recommend correction of soil pH
5. determine media pH

AG80 - Page 1
6. select correct amendments
7. apply soil amendments
8. apply proper drainage
9. prepare soil
10. prepare planting site
11. define causes of soil erosion
12. apply soil conservation practices
13. demonstrate how to sterilize and pasturize soil
14. demonstrate knowledge of composting
15. demonstrate knowledge of mulches
16. identify common uses of turfgrasses
17. identify common uses of ground covers
18. identify common uses of vines
19. identify common uses of bedding plants
20. identify common uses of shrubs
21. identify common uses of ornamental trees
22. maintain an inventory of plant materials
23. demonstrate handling of plants
24. apply proper irrigation
25. demonstrate proper planting
26. demonstrate proper pruning
27. identify appropriate plant growth reg.
28. use plant growth reg.
29. write instructions for the care of plants
30. select appropriate fertilizers
31. apply fertilizer
32. identify diseases
33. apply proper disease control
34. identify common weeds
35. apply proper weed control
36. identify pests
37. apply proper pest control
38. apply pesticides
39. calibrate spray equipment
40. maintain logs for pesticide application
41. perform maintenance/repair of irrigation systems
42. perform maintenance/repair hardscape
43. determine employees role in a maintenance contract
44. maintain personnel records
45. write status reports
46. demonstrate responsibility
47. demonstrate ability to adjust to various situations
48. demonstrate ability to work with people

STUDENT CONTRIBUTIONS

Each student will spend at least 4 hours per week preparing for class. Attendance is critical in this class.
STUDENT RESPONSIBILITY:

1. Students unable to be present on the day of the exam are required to notify the instructor at least one day prior to the exam day. It is the responsibility of the student to make up any exams and or classes missed.

2. Students absent from class will be held responsible for the material covered in class and any announcements made in class.

ATTENDANCE POLICY:

You will be allowed 2 sick days and 1 vacation day during the semester. If you are more than one-half hour tardy, you will be docked a half day. If you use more than the allotted time, you will lose 2 points toward the final grade for each day missed beyond the allocated amount. If you do not use up your allotted leave time, you will gain 2 points toward the final grade for each unused day.