**PROPOSAL TO INITIATE, MODIFY OR DELETE A COURSE**

1. **TYPE OF ACTION**
   - A. Addition  [X] Regular  [ ] Experimental  [ ] Other  
   - B. Deletion  [ ] in credits  [ ] in title  [ ] in number or alpha  [ ] in prerequisites  [ ] Other  

2. **NEW ALPHA, NUMBER AND TITLE**  AG 182 - Turfgrass management

3. **CREDITS**  3

4. **OLD ALPHA, NUMBER AND TITLE**

5. **CREDITS**

6. **NEW CATALOG DESCRIPTION**
   Identification, planting, and maintenance of turfgrass for home, park, and golf courses. Discusses watering, fertilizing, pest and disease control. 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  [ ] OR Ана стей PROGRAM/CORE
    - [X] CAN FULFILL 32, AA Degree & CTAHR elective  [ ] REQUIREMENT

11. **NUMBER OF CREDITS REQUIRED FOR THE PROGRAM/CORE**

12. **SIMILAR COURSES OFFERED ELSEWHERE:**

13. **THIS COURSE IS**
   - [ ] ALREADY ARTICULATED  [X] APPROPRIATE FOR ARTICULATION  [ ] 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:**

**DATE:**

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

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Was this course discussed in a dept. mtg. **approved** 9/18/98

| 3. Division    | [Signatures] | 10/7/98   |
|                | Assistant Dean of Instruction |          |

| 4. Curriculum Committee Review |  | 11/10/98 |
| Approved | [Signature] | |  |
| Disapproved | | |  |
| Reason: | | |  |
WCC FORM FOR NEW COURSE PROPOSALS

Course AG 182 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.
COURSE NAME: Turfgrass Management

COURSE ALPHA: AG 182

CREDIT HOURS: 3

CATALOG DESCRIPTION: Identification, planting, and maintenance of turfgrass for home, park, and golf course areas. Discusses irrigation, fertilization, cultivars, and pest control. 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 including closed shoes.

INSTRUCTOR: David Ringuette

OFFICE: Uluwehi (Greenhouse)

OFFICE PHONE: 235-7496 or 235-0077 X496

EFFECTIVE DATE: Fall 1999
TURFGRASS MANAGEMENT

A. Course description

Identification, planting, and maintenance of turfgrass for home, park, and golf areas. Discusses irrigation, fertilization, cultivars, and pest control.

B. Topics to be covered

1. Turfgrass anatomy, morphology, and classification
2. Species, varieties, and cultivars
3. Turfgrass establishment and culture
4. Turfgrass pests
5. Soil problems
6. Surveying and blue print reading
7. Management practices including fertilizing, mowing, aeration, dethatching, renovation, top dressing, and colorants
8. Greens and tees maintenance
9. Irrigation
10. Record keeping/special concerns

C. Upon completion of this course, the student should be able to:

1. given samples, identify turfgrass varieties commonly grown in Hawaii.
2. given samples, describe the growth habits of turfgrass commonly grown in Hawaii.
3. given a site, select the proper turf.
4. establish turfgrass using seeds and vegetative material.
5. given the tools and equipment, perform maintenance practices required for high quality turfgrass.
6. given a transit, determine slope and distance.
7. determine the cost of establishing and maintaining high quality turf.
8. list the benefits of high quality turf.
9. apply IPM principles to managing turfgrass.

D. Prerequisites: Plant Science or consent of instructor.

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.
AG 182

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.

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.