PROPOSAL TO INITIATE, MODIFY OR DELETE A COURSE

1. TYPE OF ACTION
   □ A. Addition: □ Regular or □ Experimental or □ Other __________________________ (specify)
   □ B. Deletion
   □ C. Modification: □ in credits □ in title □ in number or alpha □ in prerequisites/corequisites □ other ________ (specify)

2. NEW ALPHA, NUMBER AND TITLE   AG 152   Orchid Culture  3. CREDITS   3

4. OLD ALPHA, NUMBER AND TITLE

6. NEW CATALOG DESCRIPTION (If necessary, continue on another page)

An extensive study of orchid identification, breeding, growth, and culture. Students are required to write a 10-15 page research report.

7. PREREQUISITES, COREQUISITES, OR RECOMMENDED PREPARATION
   None

8. STUDENT CONTACT HRS. PER WEEK
   Lecture 3   Lecture/Lab ___   Lab ___
   Other (specify)

9. PROPOSED DATE OF FIRST OFFERING
   Summer/Fall 2001

10. THIS COURSE   □ IS PROPOSED FOR THE   Agriculture PROGRAM
       □ CAN FULFILL   Cert. of Completion in AG Tech; elective for AA Degree and CTAHR

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

12. EQUIVALENT OR SIMILAR COURSES OFFERED IN THE UH SYSTEM:

<table>
<thead>
<tr>
<th>Campus</th>
<th>Alpha Number, Title</th>
<th>Campus</th>
<th>Alpha Number, Title</th>
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<tbody>
<tr>
<td>None</td>
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13. THIS COURSE IS
   □ ALREADY ARTICULATED   □ 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:
   AG 152 offers a transfer level Agriculture elective to the College of Tropical Agriculture & Human Resources. This course will offer students another choice if they have an interest in a Bachelor's Degree.

REQUESTED BY: ____________________________  Date:  3/14/01

APPROVED BY:

Department Chairperson: ____________________________  Date:  3/14/01

Curriculum Committee: ____________________________  Date:  3/14/01

Faculty Senate: ____________________________  Date:  3/14/01

Dean of Instruction: ____________________________  Date:  3/14/01

Change recorded by Catalog Preparer: ____________________________  Date:  3/14/01

CCCM #6100 (Amended for WCC use March 2000)
## Levels of Review of Course Proposal at WCC

Course Alpha Number and Title: **AG 152 Orchid Culture**

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<thead>
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<th>Dates</th>
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<tr>
<td><strong>Department Area</strong> (more than one instructor in the department)</td>
<td><strong>9/28/05</strong></td>
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<td><strong>9/28/05</strong></td>
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### 2. Department

**Department Chairperson**

This course was reviewed and approved in a department meeting on ____________

### 3. Division

**Curw on Oar**

**Assistant Dean of Instruction**

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### 4. Curriculum Committee Review

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<tr>
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<th>Disapproved</th>
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<tbody>
<tr>
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**Reason:**

(Revised March 2000)

**Curriculum Committee Chairperson**

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<th>Dates</th>
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<td><strong>11/28/00</strong></td>
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WCC FORM FOR NEW COURSE PROPOSALS

Course: AG 152  Submitted by: Ingelia White  Date: 9/25/2000

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?
   - No additional cost. A qualified instructor at Science Department will teach the course.

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?
   Yes.
   If yes, provide rationale and details of its impact on the College curriculum.
   It supports our liberal arts curriculum. It strengthens the agriculture program. The course, which includes plant tissue culture techniques, provides instruction for students who need training for jobs in Hawaii's plant nursery business.

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 the 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

AG 152 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.
September 14, 2000

Dr. Ingelia White  
Windward Community College  
45-720 Keaahala Road  
Kaneohe, HI 96744

Dear Dr. White:

Thank you for faxing your AG 52 Orchid Culture course syllabus for evaluation by the Horticulture Curriculum Committee. The Committee felt that the course is quite good.

To strengthen it, the Committee agrees with your plan to provide more laboratory and field work and to have the students write a research paper. In addition, the Committee recommends that the physiological basis of suitable environmental conditions and various culture/management practices be covered, which would be sufficient to justify the 100 level.

Sincerely yours,

Kent D. Kobayashi, Chair  
Horticulture Curriculum Committee
WINDWARD COMMUNITY COLLEGE

OUTLINE OF COURSE OBJECTIVES

COURSE NAME: Orchid Culture
COURSE ALPHA: AG152
CREDIT HOURS: 3
CATALOG DESCRIPTION: An extensive study of orchid identification, breeding, growth, and culture (3 hrs. lect.).

REQUIREMENT COURSE SATISFIES:

At WCC: Meets Certificate of Completion in Agricultural Technology and A.A. elective
At UHM: UHM CTAHR elective

PREREQUISITES: None

READING LEVEL OF TEXT (S): College

INSTRUCTOR: Ingelia White Ph.D
OFFICE: Imiloa 102
OFFICE PHONE: 235-7318

EFFECTIVE DATE: Summer/Fall 2001
A. COURSE GOALS

1. To provide the student a knowledge of orchid identification and hybridization.
2. To enable the student to perform many types of propagation techniques (traditional and tissue culture methods), and growing orchids successfully.

B. COURSE OBJECTIVES:

The student will be able:
1. To identify the many orchid genera, species, and hybrids.
2. To provide suitable cultural requirements (include optimum temperature, light intensity, media, pest/disease control, watering and fertilizing).
3. To perform different propagation methods.
4. To make successful intergeneric hybrids.

C. METHOD OF GRADING:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Points</th>
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<tbody>
<tr>
<td>3 Lecture exams</td>
<td>300</td>
</tr>
<tr>
<td>Research paper</td>
<td>100</td>
</tr>
<tr>
<td>3 Field trip reports</td>
<td>150</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>550</strong></td>
</tr>
</tbody>
</table>

Final grade is based on total possible points:
A = 90 - 100%
B = 80 - 89%
C = 70 - 79%
D = 60 - 69%
F = less than 60%

Please refer to the WCC College Catalog for audit, withdrawal, and incomplete options. Students may obtain a credit/no credit option with instructor permission. In order to receive credit for the course, students must meet at least a minimum passing score of 70%.

D. MODE OF INSTRUCTION:

The previously described objectives will be achieved through the aid of the following learning activities: class lectures, assigned readings, field and lab works, field trips, and research report.
E. STUDENT RESPONSIBILITY:

1. Students are expected to attend all lectures, field trips, field work, lab work, and complete all course assignments, research paper, and exams.
2. Students unable to come on the day of the exam are required to notify the instructor in advance to arrange for an immediate make up test (it is required to bring a doctor's note or provide a legitimate reason).
3. Students absent from class will be held responsible for the material covered in class and any announcements made in class.

F. TEXT AND REFERENCES:

Northen, Rebecca, T. Home Orchid Growing. Van Nostrand Reinhold Company. Hand outs will be provided by the instructor.

G. COURSE TOPICS:

Week 1. Introduction and Botanical Terminology (vegetative)
Week 2. Botanical Terminology (vegetative)
Week 3. Botanical Terminology (generative)
Week 4. Key to the Tribes
Week 5. Key to the Genera
Week 6. Growth and Culture
Week 7. Field trip and field work
Week 8. Propagation (traditional method)
Week 9. Propagation (tissue culture, lab work)
Week 10. Propagation (tissue culture, lab work)
Week 11. Pest and Disease control
Week 12. Field trip and field work
Week 13. Genetics
Week 14. Breeding
Week 16. Orchid identification
Week 17. Transplanting, field work
Week 18. Maintenance
RESEARCH REPORT

A requirement for students taking AG 152 is to write a 10 to 15 page research report, excluding bibliography. A minimum of 6 references, each source must come from journal/periodical, internet, book, and personal interview. A 10 minute oral presentation should be delivered no later than the final week of instruction. All reports will be type written with a 12 point letter size and double spaced. The research topic should be discussed and approved by the instructor.
Inge,

I asked Allene Chun, CTAHR Academic Affairs Office, about the CAAC's request. Allene replied that the UHM Admissions and Records Office said that a written statement won't be needed since there is a policy in effect already (see message below).

Kent

---------- Forwarded message ----------

Date: Fri, 20 Oct 2000 13:57:49 -1000
From: Allene Chun <chuna@AVAX.CTAHR.HAWAlI.EDU>
To: Kent Kobayashi <kentko@hawaii.edu>
Cc: hapai@hawaii.edu
Subject: Re: AG 52 and AG 152 (fwd)

Kent,

I spoke with Jan Heu at the Admissions and Records office regarding WCC's request for a written statement from CTAHR stating that WCC's Ag 152 is transferrable to CTAHR as elective credit. Jan said that this is unnecessary to state that because there's already a policy in effect that any 100-level course from the CC's is transferrable as elective credit, if it is not already equivalent to an articulated course.

Hope this helps. If not, let me know. Thanks.

Allene

At 12:36 PM 10/20/2000 -1000, you wrote:

>Dr. White of Windward CC asked the Horticulture Curriculum Committee to 
>evaluate her AG 52 Orchid Culture syllabus to see how the course could be 
>strengthen so it could be a 100-level course. I sent the HCC's 
>recommendations to her. 
>
>In her message below, she requests a letter from me regarding that AG 152 
is transferrable as elective credits for students in the College of 
>Tropical Agriculture and Human Resources at the University of Hawaii at 
>Manoa. How should I proceed on this?
>
>Kent

---------- Forwarded message ----------
Date: Fri, 20 Oct 2000 12:18:16 -1000
From: Ingelia Puspita White <ingelia@hawaii.edu>
To: Kent Kobayashi <kentko@hawaii.edu>
Subject: Re: AG 52 and AG 152

Hello Kent,

I had a CAAC (Curriculum Academic Affairs) meeting at WCC on Tuesday, 
October 10, discussing proposal for AG 52 and AG 152 (Orchid Culture). A 
request from committee members to have you acknowledged in writing (for 
our own record) that AG 152 is transferrable as elective credits for 
students in the College of Tropical Agriculture and Human Resources at the 
University of Hawaii at Manoa.
Your acknowledgement in e-mail is fine and greatly appreciated. Thank you for your kokua.

Aloha, Inge White