University of Hawaii Community Colleges
Proposal to Initiate, Modify or Delete a Course

1. Type of Action
- A. Addition
- B. Deletion
- C. Modification: 
  - in credits
  - in title
  - in number or alpha
  - in prerequisites or co-requisites
  - Other WCC Biological Sciences (click to specify)

2. New Alpha, Number and Title
   3. Credits *

4. Old Alpha, Number and Title  AG 120 Plant Science  5. Credits 3 credits
6. New Catalog Description

7. Select box and type specific information in text box.
   - Prerequisites
   - Coursequisites or
   - Recommended Preparation

8. Student Contact Hours Per Week
   - Lecture 2
   - Lecture/Lab 2
   - Lab
   - Other (click to specify)

9. Proposed Date of First Offering
   - Semester Spring
   - Year 2006

10. This course □ is proposed for the Liberal Arts Program Program. □ can fulfill * If Other, specify

11. This course Makes No Difference in the 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>
</tr>
</thead>
<tbody>
<tr>
<td>HawaiiCC</td>
<td>AG 200 Principles of Horticulture</td>
<td>MauiCC</td>
<td>AG 200 Principles of Horticulture</td>
</tr>
<tr>
<td></td>
<td></td>
<td>UH Hilo</td>
<td>AG 262 Principles of Horticulture</td>
</tr>
<tr>
<td></td>
<td></td>
<td>UH M SND</td>
<td>TPSS 200 Tropical Crop Science</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

13. This course is (check one and click in appropriate textbox and provide details):
   - Already articulated with UHM as a DB
   - Provide details of existing or desired articulation (date, college(s), purposes, pre-major, etc.) in this space:

   - Appropriate for Articulation with
   - Provide details of existing or desired articulation (date, colleges(s), purposes, pre-major or major, etc.) in this space:

   - Not yet appropriate for Articulation.

14. Reason for Initiating, Modifying or Deleting Courses or Other Pertinent Comment:
To match UHM designation and to provide a current course to meet the biological science requirement for liberal art majors

Requested by: Joseph E. Christi  9-23-05
Approved by: Jean Bylenga  10/25/2005
                              11/1/2005
                              12/1/05
                              1/24/05

Dean of Instruction

Provost

CCCM #6100 (Amended for WCC use October 2002)
University of Hawaii Community Colleges
Proposal to Initiate, Modify or Delete a Course

1. Type of Action
   - A. Addition ✖
   - B. Deletion
   - C. Modification:
     - □ in credits
e   - □ in title
   - □ in number or alpha
   - □ in number or alpha
   - □ in prerequisites or co-requisites
   - □ Other WCC Biological Sciences (click to specify)

2. New Alpha, Number and Title
3. Credits *
4. Old Alpha, Number and Title AG 120 Plant Science
5. Credits 3 credits
6. New Catalog Description

7. Select box and type specific information in text box.
   - Prerequisites □
   - Corequisites or Recommended Preparation
   - NONE

8. Student Contact Hours Per Week
   - Lecture 2
   - Lecture/Lab 2
   - Lab
   - Other (click to specify)

9. Proposed Date of First Offering
   - Semester Spring
   - Year 2006

10. This course ✖ is proposed for the Liberal Arts Program.
    □ can fulfill * if Other, specify Biological Sciences requirement for Liberal Arts

11. This course Makes No Difference in the 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>
</tr>
</thead>
<tbody>
<tr>
<td>HawaiiCC</td>
<td>AG 200 Principles of Horticulture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MauiCC</td>
<td>AG 200 Principles of Horticulture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UH Hilo</td>
<td>AG 262 Principles of Horticulture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UH Manu</td>
<td>TPSS 200 Tropical Crop Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
</tbody>
</table>

13. This course is (check one and click in appropriate textbox and provide details):
   - ✖ Already articulated with UHM as a DB
     Provide details of existing or desired articulation (date, college(s), purposes, pre-major, etc.) in this space:

   - □ Appropriate for Articulation with
     Provide details of existing or desired articulation (date, colleges(s), purposes, pre-major or major, etc.) in this space:

   - □ Not yet appropriate for Articulation.

14. Reason for Initiating, Modifying or Deleting Courses or Other Pertinent Comment:
    To match UHM designation and to provide a current course to meet the biological science requirement for liberal art majors

Requested by: [Signature] 9-23-05
Approved by: [Signature] 10/25/2005
Dean of Instruction Date
Provost Date

CCCM #6100 (Amended for WCC use October 2002)
Levels of Review of Course Proposal at Windward Community College

Course Alpha, Number, and Title:

Signatures                                      Dates

1. Department Area (more than one departmental instructor’s signature required)

   [Signature]
   [Signature]
   [Signature]
   [Signature]
   [Signature]
   12/5/05
   12/5/05

2. Department

   [Signature]
   Department Chairperson
   12/5/05

   Was this course discussed in a department meeting? ☑ Yes ☐ No

3. Division

   [Signature]
   12/6/05

4. Curriculum Committee Review

   Approved ☑
   Disapproved ☐

   Reason:

   [Signature]
   Curriculum Committee Chairperson
   12/6/05

CCCM #6100 (Amended for WCC use October 2002)
University of Hawaii Community Colleges  
Proposal to Initiate, Modify or Delete a Course  
Course Modification Form – Go to next page for Articulation Form

WCC Form for Course Modifications

Course Submitted by
Date December 1, 2005

1. What change is proposed in the course? Provide specific information comparing both the "new" and "old" course.  
   **NONE**

2. What is the rationale for the change?  
   *To allow AQ 120 to count as credit for Biological Science in the General Ed core requirements for liberal arts students.*

3. Is the change substantive enough to require a change in course identification? If so, explain thoroughly.  
   **No change to course.**

4. Is the course articulated with any 4-year program? *  
   **Yes**  
   If yes, give details of the agreement(s) and explain any impact the proposed modifications may have on articulation.  
   **No impact. This course is already articulated with UHM as a DB.**

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?  
   **NA**

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.  
   **No**

7. If the course is renumbered to 100 or above, does it meet the criteria for transfer level courses? (Go to next page for transfer course criteria.) *  
   **Yes. already articulated.**
Date: 23 September 2005

To: Jean Shibuya
   Chair, Curriculum Committee

From: Joe Ciotti
   Chair Natural Sciences Department

Subject: AG 120 Course Modification

The Natural Sciences Department approved the change in AG 120 to count as credit for Biological Science for the General Education core requirements for liberal arts students.
COURSE NAME:    PLANT SCIENCE

COURSE ALPHA:    AG 120

CREDIT HOURS:    3

CATALOG DESCRIPTION:    The study of plant science, morphology, anatomy, physiology, classification, growth, growth regulators, and propagation.

REQUIREMENTS COURSE SATISFIES:

AT WCC    Required for the certificate of completion in Plant Landscaping, 120 is an elective for the AA degree

AT UH OF MANOA    Elective credits and meets DB

PREREQUISITES    NONE

RECOMMENDED ATTIRE/TOOLS    Covered shoes should be worn during all field and laboratory activities. Wear work clothes, as this is a hands on course. I encourage people to bring their own pruners and knives.

ACTIVITIES REQUIRED AT OTHER THAN REGULARLY SCHEDULED CLASS TIMES:    NONE

INSTRUCTOR:    DAVID RINGUETTE

OFFICE:    ULUWEHI

OFFICE PHONE:    236-9265
METHODS OF EVALUATION:

Examinations: 60%
Projects: 30%
Participation 10%

GRADES

A= 90% or higher
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.

STUDENT RESPONSIBILITY

1. Students unable to be resent 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 3 sick days and one 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
AG 120: Plant Science

A. Course description

The study of plant morphology, anatomy, physiology, classification, growth and growth regulators, and propagation.

B. Topics to be covered

1. Plant taxonomy
2. Plant parts: structure and function.
3. Photosynthesis
4. Respiration
5. Water absorption, translocation, and transpiration.
6. Sexual plant propagation
7. Asexual plant propagation.
8. Plant growth regulators.
9. Additional topics at option of instructor.

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

1. Describe and discuss general plant structure and major functions.
2. Describe and discuss plant growth sequences and cultural requirements.
3. Describe and discuss major internal and external regulatory mechanism for plant growth.
4. Describe and discuss the basic tenets of plant cultural practices.
5. Describe and discuss common horticultural terminology, especially in relation to plant growth and culture.
6. Reproduce plants using either an asexual or a sexual method of propagation.
7. Utilize the knowledge gained in the classroom in practical application.

D. PREREQUISITES:

NONE
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 typed out with a maximum size of 14 and double space with 1 inch margins. 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, textbook, 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 to 10 minute oral presentation of your report at the end of the course to the class.