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

2. New Alpha, Number and Title  AG 235  3. Credits 3 credits

4. Old Alpha, Number and Title  AG 45  5. Credits 3 credits

6. New Catalog Description
   Fundamentals of irrigation principles, plant, soil, water relationships, soil moisture sensing devices, delivery systems, set up of drip, sprinkler, and surface irrigation systems. Use of chemigation

7. Select box and type specific information in text box.
   [ ] Prerequisites [ ] Corequisites or Recommended Preparation
   Math 22 or higher

8. Student Contact Hours Per Week
   Lecture 3  Lab
   Lecture/Lab Other (click to specify)

9. Proposed Date of First Offering
   Semester Fall
   Year 2010

10. This course [ ] is proposed for the * Program. [ ] can fulfill * If Other, specify

11. This course * 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>MauiCC</td>
<td>AG 235 Irrigation Principles and Design</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
   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:

   [X] Not yet appropriate for Articulation.

14. Reason for Initiating, Modifying or Deleting Courses or Other Pertinent Comment:
   Equate this course with Maui Community College

Requested by: [Signature]  12/09/09
Approved by: [Signature]  12/09/09
Date
Date
Date
Date
Date

CCC#6100 (Amended for WCC use October 2002)
Proposal to Initiate, Modify or Delete a Course

Levels of Review of Course Proposal at Windward Community College

Course Alpha, Number, and Title: AG 235 Irrigation Principles and Design

Signatures

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

   Joseph E. Ciatti

   11-12-09

2. Department

   Department Chairperson

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

   11/12/09

3. Division

   Paul R. Field

   11/17/09

4. Curriculum Committee Review

   Approved ☑

   Disapproved ☐

   Reason:

   Paul R. Field

   Curriculum Committee Chairperson

   12/09/09

CCCM #6100 (Amended for WCC use October 2002)
WCC Form for New Course Proposals
(This sheet was originally pink.)

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

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?

3. Is a similar course taught elsewhere in the UH system? * 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? * If yes, provide rationale and details of its impact on the College Curriculum.

5. Is a similar course taught in the upper division level by a 4-year UH college? * 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 criteria for transfer courses.
Course AG 235 Irrigation Principles and Design
Submitted by Dave Ringuette
Date December 9, 2009

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

   Course number change to 235

2. What is the rationale for the change?

   Provide similarity to MCC course

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? No

   If yes, give details of the agreement(s) and explain any impact the proposed modifications may have on articulation.

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?

   None

6. Will this course modification result in any alterations in the number of hours required to attain a certificate or degree? No

   If yes, provide details and justification for these alterations.

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
WCC Form for Transfer Courses
(To be completed for articulation with any 4-year UH campus)
(This sheet was originally blue.)

Course Alpha and Number AG 235

Submitted by Dave Ringuette

Date December 9, 2009

1. List the counterpart to this course on any 4-year UH campus. Describe the relationship between the course and any related baccalaureate program area.

   AG 235 at Maui Community College. This is a nonbaccalaureate program; it is an AS

2. Is this course taught or accepted by major accredited colleges or universities? Give one or two examples.

   No

3. Please attach a complete course outline if you have not done so already. Your course outline should address all the items listed in the Guidelines for Course Outlines.
University of Hawaii Community Colleges
Proposal to Initiate, Modify or Delete a Course
Articulation with 4-year UH Campus Form

COURSE ARTICULATION FORM (GENERAL EDUCATION CORE)

ORIGINATING CAMPUS: Windward Community College       DATE SUBMITTED: December 9, 2009

COURSE ALPHA & NUMBER: SEMESTER CREDITS: *

COURSE TITLE:

DATE OF OUTLINE: December 9, 2009       Year *

(** Representative outline, no multiple syllabi, please.)

1. Articulation committee to review this course:

   Standing Committees
   Written Communication ☐
   Mathematical & Logical Thinking ☐
   World Civilizations ☐
   Languages ☐
   Arts & Humanities ☐
   Natural Science ☐
   Social Science ☐

2. The information in this item is required by the reviewing committee so that it has a starting point for reviewing the course. It is the responsibility of the submitting campus to do the necessary research to provide this information.

In the opinion of the originating campus, this course is equivalent to the following and/or meets the criteria for the indicated core categories. Every core category space, except your own campus, must be filled in (can include ‘none’). An equivalent course, if known, may be helpful to committee members but is not required.

<table>
<thead>
<tr>
<th>Receiving Campus</th>
<th>Equivalent Course (Alpha and Number)</th>
<th>Core Category</th>
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<tbody>
<tr>
<td>UH Hilo</td>
<td></td>
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<tr>
<td>UH Manoa</td>
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<td>UH West Oahu</td>
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<td>Hawaii CC</td>
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<td>Honolulu CC</td>
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<td>Kapiolani CC</td>
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<td>Kauai CC</td>
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<td>Leeward CC</td>
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<td>Maui CC</td>
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<tr>
<td>Windward CC</td>
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</tbody>
</table>

3. If submitted electronically, I understand that this outline will be posted to a publicly accessible web site to enable open access for reviewing committees and campuses. The outline will be taken off the site upon completion of the review.

Typed Name or Signature

Note: If possible submit coversheet and course outline electronically as e-mail attachments (preferably in ‘pdf’ format). If submitting in printed form, 20 copies of coversheet and course outline are required for distribution for appropriate review.

Note: UCA Clearinghouse
John Muth, Office of the Chancellor for Community Colleges, is acting as staff to the University Council on Articulation and is responsible for tracking all courses submitted for articulation.

Revised 1/29/2001
University of Hawaii Community Colleges
Proposal to Initiate, Modify or Delete a Course
Articulation with 4-year UH Campus Form

COMMITTEE LEVEL:

1. When the committee has completed its review of a course, the "ARTICULATION RECOMMENDATION FORM" (revised 1/18/2001) should be filled in and attached to the outline. The committee chair should also sign the form.

2. If the committee choice is "accept," indicate receiving campus core area. If the committee choice is "not recommended," a reason must be provided. Outlines with missing or incomplete recommendation forms will be returned to the committee.

If a committee requires updated or more complete outlines, such requests should be made through the UCA Clearinghouse so that the new outline material can be tracked and placed in the file. If a committee requires more general supporting information, this should be requested through the course's supporting campus representative on the committee.

3. All committee recommendations should be sent to the UCA Clearinghouse for recordation and dissemination to the campuses. DO NOT SEND THE RECOMMENDATIONS DIRECTLY TO ANY CAMPUS.

RECEIVING CAMPUS:

1. Courses will be sent to each campus for consideration after they come out of committee. Each campus has its own internal process for the approval of courses for its general education core.

2. In all cases where a campus accepts a course into its general education core, it must also indicate which area or part of its core the course fits.

3. In all cases where a campus does not accept a course for articulation, it must supply a reason (even it is "we agree with the committee").

4. When campus actions are completed, these actions should be conveyed back to the UCA Clearinghouse for recordation and publication.

5. The Community College Policy on Acceptance of UCA Reviewed Courses is as follows:

   (a) All Community Colleges agree to accept positive UCA committee recommendations for core, including core categories assigned by the committee.

   (b) All Community Colleges agree to accept the UCA committee judgment of not-Recommended (nR) without further review.

   (c) This policy is retroactive to the time the current articulation effort started.

   (d) The Community Colleges reserve the right to review and modify core category assignments as necessary to insure appropriate categorization and to realign such assignments if changes are made to the campus core structure. Such modifications shall not interfere with the timely publication of the student transfer handbook.

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Revised 1/29/2001
University of Hawaii Community Colleges
Proposal to Initiate, Modify or Delete a Course
Articulation with 4-year UH Campus Form

ARTICULATEDCOURSE
CHANGE IN ALPHA/NUMBER/TITLE

Old Course

Course Alpha & Number:
Title:

______________________________

Revised Course

Course Alpha & Number:
Title:
Semester and Year when the revised course was/will be first offered:
Reason for the change in Alpha/Number/and/or Title:

______________________________

Note: A current outline of the course must be submitted with this form.
Undated outlines are not acceptable.

I certify that this course has had its alpha, number, and/or title changed, but that it is substantially
the same course as the course that was reviewed and approved for articulation.

Campus: Windward Community College
Certifying Authority (Typed Name or Signature and Title)
Date:

SUBMIT TO: UCA Clearinghouse, Attn: John Muth
Chancellor's Office for CC, 2327 Dole Street

Revised 1/19/01