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 catalog description

2. New Alpha, Number and Title

3. Credits

4. Old Alpha, Number and Title
   - Math 140 Pre-Calculus: Trigonometry and Analytic Geometry

5. Credits
   - 4 credits

6. New Catalog Description
   - Study of the elements of trigonometry and analytic geometry including functions and their inverses; trigonometric functions, relations, graphs, and applications; conic sections, vector applications, cartesian and polar coordinate systems; parametric equations and applications; sequences, series, either math induction or binomial theorem and related topics.

7. Select box and type specific information in text box.
   - Prerequisites
   - Corequisites or
   - Recommended Preparation
   - Grade of "C" or better in Math 135 or equivalent, satisfactory math placement test score, or consent of instructor.

8. Student Contact Hours Per Week
   - Lecture
   - Lab
   - Other

9. Proposed Date of First Offering
   - Semester
   - Fall
   - Year

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>HawaiiCC</td>
<td>Math 104G Pre-Calculus Mathematics: Trigonometry &amp; Analytic Geometry</td>
<td>MauiCC</td>
<td>Math 140 Trigonometry &amp; Analytic Geometry</td>
</tr>
<tr>
<td>HonoluluCC</td>
<td>Math 140 Pre-Calculus: Trigonometry &amp; Analytic Geometry</td>
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<tr>
<td>KapiolaniCC</td>
<td>Math 140 Pre-Calculus: Trigonometry &amp; Analytic Geometry</td>
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<tr>
<td>KauaiCC</td>
<td>Math 140 Pre-Calculus: Trigonometry &amp; Analytic Geometry</td>
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<tr>
<td>LeewardCC</td>
<td>Math 140 Pre-Calculus: Trigonometry &amp; Analytic Geometry</td>
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<td></td>
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</tbody>
</table>

13. This course is (check one and click in appropriate textbox and provide details):
   - Already articulated with UHCCs, UHWO, UHM and UHH
   - 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 provide more information about the course coverage for Math 140.

Requested by: [Signature]
Date: 2/20/03

Approved by: [Signature]
Date: 3/11/03

Dean of Instruction
Date: 4/21/03

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

Provost: [Signature]
Date: 4/3/03

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

Course Alpha, Number, and Title: Math 140: Pre-Calculus: Trigonometry and Analytic Geometry

Signatures

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

[Signatures]

Dates

2/20/03

2. Department

[Signature]

Department Chairperson

[Signature]

Department Chairperson

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

It was discussed with the department over email.

3. Division

[Signature]

Dates

2/20/03

4. Curriculum Committee Review

☑ Approved ☐ Disapproved

Reason:

[Signature]

Curriculum Committee Chairperson

[Signature]

Curriculum Committee Chairperson

3/11/03
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 Math 140 Pre-calculus: Trigonometry and Analytic Geometry
Submitted by Wei-ling Landers
Date February 19, 2003

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

Catalog description
new one:
Study of the elements of trigonometry and analytic geometry including functions and their inverses; trigonometric functions, relations, graphs, and applications; conic sections; vector applications, cartesian and polar coordinate systems; parametric equations and applications; sequences, series, and either math induction or the binomial theorem, and related topics.

old one:
Study of the elements of trigonometry and analytic geometry including functions and their inverses; trigonometric functions, relations, graphs, and applications; conic sections; vector applications, cartesian and polar coordinate systems.

2. What is the rationale for the change?

To provide more information about the course coverage for Math 140.

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? Yes

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

No impact to current 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?

No change

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.) *

CCCM #6100 (Amended for WCC use September 2002)
Original dated WCC 9/91