Proposal to Initiate, Modify or Delete a Course

1. Type of Action
   - A. Addition □ Regular or □ Experimental or □ Other (click and type to specify)
   - B. Deletion
   - C. Modification: □ in credits □ in title □ in number or alpha □ Other (click to specify)

2. New Alpha, Number and Title

3. Credits *

4. Old Alpha, Number and Title

5. New Catalog Description

6. Select box and type specific information in text box.
   - Prerequisites □ Corequisites or □ Recommended Preparation
   - Other (click to specify)

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

8. Proposed Date of First Offering
   - Semester Fall
   - Year 2005

9. Prerequisites: A grade of "C" or better in Math 27 or 103, or placement in Math 135 or instructor's consent.

   Co-requisite: Concurrent registration in Chem 161L. Recommended preparation: Student should have taken high school chemistry, Chem 100 or Chem 151. Students will not credit for both Chem 151 and 161.

10. This course □ is proposed for the Liberal Arts Program Program. □ can fulfill Nat Sci: Physical 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>Kapiolani</td>
<td>Chem 161</td>
<td>*</td>
<td></td>
</tr>
<tr>
<td>Honolulu</td>
<td>Chem 161</td>
<td>*</td>
<td></td>
</tr>
<tr>
<td>UH Manoa</td>
<td>Chem 161</td>
<td>*</td>
<td></td>
</tr>
<tr>
<td>Leeward</td>
<td>Chem 161</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 UH Manoa
   - Provide details of existing or desired articulation (date, college(s), purposes, pre-major, etc.) in this space: Fall 2003 WCC (DP)
   - □ 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:
   - The Banner system has no way of checking the old prerequisites: "Two years of high school algebra, plane geometry, high school chemistry." Chem 161 is a problem solving intensive course and the preparation is crucial.
   - A corequisite of Chem 161L is required to study the applications and reinforce learning of the chemical concepts covered in Chem 161.

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

Requested by: 

Approved by: 

Dean of Instruction

Curriculum Committee Chairperson

Faculty Senate Chairperson

Dean of Instruction

Provost

Date

Date

Date

Date

Date

Date

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

Course Alpha, Number, and Title: Chern 161-General Chemistry I

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

   [Signatures]

   [Dates]

2. Department

   [Signatures]

   [Dates]

   Department Chairperson

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

3. Division

   [Signatures]

   [Dates]

4. Curriculum Committee Review

   [Signatures]

   [Dates]

   Approved ☑

   Disapproved ☐

   Reason:

   [Signatures]

   [Dates]

   Curriculum Committee Chairperson

CCCM #6100 (Amended for WCC use October 2002)
### Chemistry 161 Prerequisites, as of March 2004

<table>
<thead>
<tr>
<th>School</th>
<th>UH Manoa</th>
<th>UH Hilo</th>
<th>Kap CC</th>
<th>Kauai CC</th>
<th>Maui CC</th>
<th>Hon CC</th>
<th>Lee CC</th>
<th>Win CC</th>
<th>Hawai'i CC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre Rec</td>
<td>2 yrs algebra, HS chem., Placement exam</td>
<td>Does not offer Chem 161/162</td>
<td>Math 25 or 2 yrs HS algebra</td>
<td>C or higher in math 25 or equivalent</td>
<td>Enrollment or placement in Math 135 &amp; placement in Eng 100</td>
<td>Math 27 or 103 or placement in Math 135/QM 121</td>
<td>Does not offer 161/162. Does offer Chem 161B/162B (4 credit classes) Math 103 or equiv</td>
<td>Two years of HS algebra, plane geometry, high school chemistry (as evidenced by HS transcripts or passing the Chemistry Placement Test), or Chem 151.</td>
<td>Does not offer Chem 161. Does offer Chem 151 and 151L.</td>
</tr>
<tr>
<td>Rec Prep</td>
<td>None</td>
<td>NA</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>HS Chem or Chem 151B</td>
<td>None</td>
<td>NA</td>
</tr>
<tr>
<td>Concurrent req</td>
<td>None</td>
<td>NA</td>
<td>None</td>
<td>None</td>
<td>Chem 161L</td>
<td>None</td>
<td>NA</td>
<td>None</td>
<td>NA</td>
</tr>
<tr>
<td>Co-req</td>
<td>None</td>
<td>NA</td>
<td>None</td>
<td>Chem 161L</td>
<td>Chem 161L</td>
<td>Chem 161L</td>
<td>NA</td>
<td>None</td>
<td>NA</td>
</tr>
</tbody>
</table>
Chemistry 161L prerequisites, as of March 2004

<table>
<thead>
<tr>
<th>School</th>
<th>UH Manoa</th>
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<th>Hon CC</th>
<th>Lee CC</th>
<th>Win CC</th>
<th>Hawai'i CC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre Rec</td>
<td>Chem 161 or concurrent enrollment.</td>
<td>Does not offer Chem 161</td>
<td>Math 25, credit or concurrent enrollment in Chem 161.</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>Chem 161B, lab and class are tied together</td>
<td>Credit or registration in Chem 161.</td>
<td>Does not offer Chem 161, only offers Chem 151 and 151L.</td>
</tr>
<tr>
<td>Rec Prep</td>
<td>None</td>
<td>NA</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Concurrent req</td>
<td>None</td>
<td>NA</td>
<td>Can take at same time as Chem 161</td>
<td>None</td>
<td>Chem 161</td>
<td>Chem 161</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Co-req</td>
<td>None</td>
<td>NA</td>
<td>None</td>
<td>Chem 161</td>
<td>Chem 161</td>
<td>Chem 161L with Chem 161</td>
<td>Lab and class are tied together as a 4 credit class</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>