University of Hawaii Community Colleges
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
   [ ] in prerequisites or co-requisites  [ ] Other
   (click to specify)

2. New Alpha, Number and Title

3. Credits *

4. Old Alpha, Number and Title

5. Credits 3 credits

6. New Catalog Description

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

8. Student Contact Hours Per Week
   Lecture 3  Lecture/Lab  Lab

9. Proposed Date of First Offering
   Semester Fall 2005

10. This course  [ ] is proposed for the Liberal Arts Program
    Program.  [ ] can fulfill Nat Sci: Physical
    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 162</td>
<td>*</td>
<td></td>
</tr>
<tr>
<td>Honolulu</td>
<td>Chem 162</td>
<td>*</td>
<td></td>
</tr>
<tr>
<td>UH Manoa</td>
<td>Chem 162</td>
<td>*</td>
<td></td>
</tr>
<tr>
<td>Leeward</td>
<td>Chem 162</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 UHManoa
   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:
    Chern 162 is a very problem-solving intensive course and the added math preparation is crucial, especially for logarithms and graphing.
    A corequisite of Chern 162L is required to study the applications and reinforce learning of the chemical concepts covered in Chern 162.

Requested by: ____________________________  Date: 4/2/04
Approved by: ____________________________  Date: 9/28/04
Dean of Instruction  Date: 10/5/04

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

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

Signatures

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

[Signatures]

Dates

3/19/04

4/1/04

6/1/04

4/12/04

2. Department

[Signature]

Department Chairperson

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

3. Division

[Signature]

5/4/04

4. Curriculum Committee Review

Approved ☑

Disapproved ☐

Reason:

[Signature]

9/28/04

Curriculum Committee Chairperson
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</td>
<td>HS chem., Placement exam</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>None</td>
<td>HS Chem or Chem 151B</td>
<td>None</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>None</td>
</tr>
<tr>
<td>Co-req</td>
<td>None</td>
<td>NA</td>
<td>None</td>
<td>None</td>
<td>Chem 161L</td>
<td>Chem 161L</td>
<td>Chem 161L</td>
<td>NA</td>
<td>None</td>
</tr>
</tbody>
</table>
Chemistry 161L prerequisites, as of March 2004

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<thead>
<tr>
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<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>