CHEM&131 - Intro To Organic Chemistry And Biochemistry

BASIC INFORMATION
Requester(s): Jacob R Ashcraft
College: South Seattle Community College
Division/Dept: Academic Programs
Dean: Chad Hickox
Peer Reviewer(s): Stephanie A Endsley
Laura Kingston

COURSE INFORMATION
Proposed Course Number:
Prefix: CHEM& Number: 131
☐ Request a new Prefix
☑ This will be a common course

Full Title: Intro To Organic Chemistry And Biochemistry
Abbreviated Title: Intro To Organic/Biochem

Catalog Course Description:
Covers the structure, properties and reactions of various organic compounds, including hydrocarbons, alcohols, aldehydes, ketones, carboxylic acids and amines. Examines complex compounds found in living systems: carbohydrates, lipids, proteins, and nucleic acids. Lab focuses on analysis and separation techniques.

Course Length: 11 Weeks ☐ Request an Exception

Course Prerequisite(s):
CHEM& 121 with 2.0 or higher.

Topical Outline:
1. Alkanes
2. Unsaturated Hydrocarbons
3. Alcohols, Phenols, Ethers
4. Aldehydes & Ketones
5. Carbohydrates
6. Carboxylic Acids and Esters
7. Lipids
8. Amines and Amides
9. Proteins & Enzymes / Nucleic Acids
### COURSE CODING

**Funding Source:** 1..................State  
**Institutional Intent:** 11..................Academic Transfer

Select the Distribution Area of the AA Degree that this course will satisfy, if applicable:

#### Distribution Areas

- Natural World

---

**Will this course transfer to a 4-year university?** Yes

**Please Describe:**
- This is a commonly offered Chemistry course at four year schools.

---

**Is this course designed for Limited English Proficiency?** No

**Is this course designed for Academic Disadvantaged?** No

**Does this course have a Workplace Training component?** No

---

**CIP Code:** 40.0501  
[ ] Request Specific CIP Code

---

**Credits:**

- **Will this course be offered as Variable Credit?** No

**List Course Contact Hours**

<table>
<thead>
<tr>
<th>Activity</th>
<th>Contact Hours : Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture</td>
<td>33</td>
</tr>
<tr>
<td>Lab</td>
<td>44</td>
</tr>
<tr>
<td>Clinical Work</td>
<td>0</td>
</tr>
<tr>
<td>Other</td>
<td>0</td>
</tr>
</tbody>
</table>

**Total Contact Hours:** 77  
**Total Credits:** 5
This is to certify that the above criteria have all been met and all statements are accurate to the best of my knowledge.

Faculty involved in originating this program:

<table>
<thead>
<tr>
<th>Jacob R Ashcraft</th>
<th>Jacob R Ashcraft</th>
<th>1/1/0001</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print Name</td>
<td>Signature</td>
<td>Date</td>
</tr>
</tbody>
</table>

Dean:

<table>
<thead>
<tr>
<th>Chad Hickox</th>
<th>Chad Hickox</th>
<th>5/31/2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print Name</td>
<td>Signature</td>
<td>Date</td>
</tr>
</tbody>
</table>

Results of SSCC Curriculum Coordinating Council Findings

Participating Faculty Response and Remarks

- [x] Recommended for approval
- [ ] Not recommended for approval

Chairman, Curriculum Coordinating Council:

<table>
<thead>
<tr>
<th>Tim Walsh</th>
<th>Tim Walsh</th>
<th>6/14/2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print Name</td>
<td>Signature</td>
<td>Date</td>
</tr>
</tbody>
</table>

Vice President for Instruction:

<table>
<thead>
<tr>
<th>Donna Miller-Parker</th>
<th>Donna Miller-Parker</th>
<th>6/19/2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print Name</td>
<td>Signature</td>
<td>Date</td>
</tr>
</tbody>
</table>