### Assessment of Course Student Learning Outcomes

<table>
<thead>
<tr>
<th>COURSE ALPHA/NUMBER: BOT 105 (62083 &amp; 62348) (Ethnobotany)</th>
<th>Semester/Year: Fall 2009</th>
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<tr>
<td>Instructor: Ingelia White</td>
<td>Date Submitted to Department Chair: August 2010</td>
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#### Identify the Course Student Learning Outcomes assessed this semester.

1. Identify plants of major importance in various aspects of Hawaiian, Asian and Pacific Island cultures
2. Utilize the plants for food, medicine, and other material goods

#### How do the above course SLOs align with the Associate of Arts or certificate program-level outcomes?

The above courses’ SLOs align well with the AA and ASC in Bio-Resources and Technology (Plant Biotechnology) learning outcomes (i.e. gained knowledge in Hawaiian environment and plant biology, improved skills to be effective employees etc.)

#### What skills or competencies are necessary for the student to perform the selected SLOs?

- Utilize botanical terms (generative and vegetative parts)
- Identify edible, medicinal and economical plants of Hawaii, Asia and the Pacific (HAP focus)
- Discuss cultural values of plants

#### What instructional methods or material are used to prepare the students?

**Instructional methods**
- lectures
- class demonstration and hands-on participation
- field trips, field works
- guest speakers
- group discussion
- prepare potluck dishes
- research project/service learning (student presentations)

**Materials**
- textbook
- hand-outs
- DVD, CD-ROM, transparency papers

#### What assessment task(s) or tools are being used to assess the outcomes? What are the criteria for success?

**Assessment tools:** knowledge survey to evaluate students’ knowledge on botanical terms and cultural uses of plants, field trip reports, research project/Service learning, exams, class discussion, prepare plant products (dishes, tools, etc)

**Criteria for success:**
- 72% of students received final grade point average higher than 90% of total possible points (600 points), 28% received final grade between 70% - 90% of total possible points
- The average knowledge survey scale rating is 3.1 (89% of skills/competencies have been achieved)
What are the results of the assessment?

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<thead>
<tr>
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<th>Start of Semester</th>
<th>End of Semester</th>
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<tbody>
<tr>
<td>Knowledge in Vegetative parts</td>
<td>1.5</td>
<td>3.1</td>
</tr>
<tr>
<td>Knowledge in Generative parts</td>
<td>1.5</td>
<td>3</td>
</tr>
<tr>
<td>Hawaiian, Asian &amp; Pacific Plant identification</td>
<td>1.5</td>
<td>3.1</td>
</tr>
<tr>
<td>Cultural values of (HAP) plants</td>
<td>1.7</td>
<td>3.2</td>
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The assessment helps to clarify specific skills/competencies fulfilled by the students.

How will you use the results?  What changes do you propose to improve student learning? When?

Assessment results are shared and discussed with students. Students are monitored individually to reach these goals. No changes will be made.

Will the changes require funding? How much will the changes cost?

N/A