

## 2015-2016 Biology Department Assessment of Core Competencies

### **Core Competency: Oral Communication**

**Outcome Measure:** Senior Seminar (BIO 497) Signature Assignment: Bioethical Issue Presentation

**Criteria for Success:** 80% of students will score at a level of 3 or higher in each skill area.

### **Longitudinal Data:**

	<b>% of students achieving “3” or higher</b>	
<b>Oral Communication Skill</b>	<b>2016, n=45</b>	<b>2015, n=42</b>
Organization	98%	100%
Language	100%	98%
Delivery	96%	83%
Supporting material	89%	90%
Central message	100%	95%

### **Conclusions Drawn from Data:**

Students are performing well in all aspects of oral communication.

**Changes to be Made Based on Data:** No changes are necessary.

**Rubric used:** ACC&U Oral Communication Rubric (all rows).

**Core Competency: Information Literacy**

**Outcome Measure:** Senior Seminar (BIO 497) Signature Assignment: Science/Faith position paper

**Criteria for Success:** 80% of students will score at a level of 3 or higher on the rubric.

**Longitudinal Data:** A random sample of 21 students was selected in 2016 and 100% scored 3 or higher using the information literacy rubric (**criteria met**).

**Conclusions Drawn from Data:** The Biology Department majors are performing well for information literacy. We plan to assess all of our majors for this criterion on a yearly basis beginning next year.

**Changes to be Made Based on Data:** No changes to program.

**Rubric used:** See attached.

### BIO 497 Assessment Rubric for Information Literacy

Aspect	Capstone 4	Milestone 3	Milestone 2	Benchmark 1
<b>Information Literacy</b>	<ul style="list-style-type: none"> <li>• Includes 5 or more appropriate sources. Includes sources from more than one type (websites, books, articles, etc.). Multiple journal and/or book sources.</li> <li>• Includes substantial references in the text that enhance the essay and support the author's argument.</li> <li>• Paraphrasing is done well, and quotes are used correctly, but not overly frequently.</li> <li>• Annotated bibliography includes 1 – 2 sentences describing choice and use of each reference.</li> </ul>	<p>Includes 3-4 appropriate sources. Includes some references in the text that are incorporated into the essay well. Some of the references may not be appropriate for the topic or may not be used appropriately.</p>	<p>Includes 1 – 2 appropriate sources. In-text references show little connection to the essay. Quotes are overly used or long. No indication as to how / why the references were used.</p>	<p>Includes no appropriate sources. No in-text references. Or most sources were inappropriate or used for incorrect purposes.</p>