



Program/Department: Anthropology AA

Submitted by: Vanessa Engstrom Date Submitted: 4/15/17

1. Award Program Student Learning Outcomes

- A. Understand cultures past and present and how cultures fit into modern globalization.
- B. Understand human biological development over millennium and primates and their social and biological attributes.
- C. Study culture in Archaeological context and try to interpret artifacts into economic, religious, political and social context.
- D.
- E.
- F.
- G.

2. Mapping for Core/Required Courses of an Award Program

- 0 No Contribution:** The curriculum associated with the course Student Learning Outcome (SLO) does not contribute in any way to the students' ability to exhibit the knowledge/skills associated with the Award Program Student Learning Outcome (APSLO).
- 1 Minor Contribution:** The contribution of the curriculum associated with the course SLO to the students' ability to exhibit the knowledge/skills associated with the APSLO is not explicit but can be inferred.
- 2 Moderate Contribution:** The contribution of the curriculum associated with the course SLO to the students' ability to exhibit the knowledge/skills associated with the APSLO is clear. Data derived from the assessment of the course SLO can be used to measure the achievement of the APSLO.
- 3 Major Contribution:** The contribution of the curriculum associated with the course SLO to the students' ability to exhibit the knowledge/skills associated with the APSLO is explicit and substantial. Data derived from the assessment of the course SLO will be used to measure the achievement of the APSLO.



Program/Department: Anthropology AA-T
Submitted by: Vanessa Engstrom Date Submitted: 4/15/17

2. Award Program Student Learning Outcomes

- A. Explain cultures past and present and how cultures fit into modern globalization.
- B. Discuss hominidae biological development over millennium and their social and biological attributes.
- C. Understand and explain culture in Archaeological terms and try to interpret artifacts into economic, religious, political and social context.
- D.
- E.
- F.
- G.

2. Mapping for Core/Required Courses of an Award Program

- 0 No Contribution:** The curriculum associated with the course Student Learning Outcome (SLO) does not contribute in any way to the students' ability to exhibit the knowledge/skills associated with the Award Program Student Learning Outcome (APSLO).
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Program/Department: Certificate of Proficiency in Biotechnology Lab Asistant

Submitted by: D.M.Foley

Date Submitted: Feb 10, 2014

1. Award Program Student Learning Outcomes

- A. Students will develop knowledge necessary to select and develop Science, Technology, Engineering and Mathematics (STEM) careers.

2. Mapping for Core/Required Courses of an Award Program

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Biol 190 course SLOs

7. Demonstrate knowledge of the fundamental biotechnology concepts that include basic molecular biology, industrial applications, a brief history of the field, and ethical considerations.
8. Demonstrate a proficiency in the techniques used for scientific communication.

Biol 191 course SLOs

7. Demonstrate a proficiency in the techniques used for scientific analysis, documentation and communication in a laboratory and industrial setting.
8. Demonstrate the knowledge of fundamental biotechnology techniques and its basic molecular biology industrial applications and ethical considerations.



Program/Department: **Certificate of Achievement in Biotechnology Laboratory Technician:
Food Safety**

Submitted by: **D.M.Foley**

Date Submitted: **Feb 10, 2014**

1. Award Program Student Learning Outcomes

- A. Students will develop knowledge necessary to select and develop Science, Technology, Engineering and Mathematics (STEM) careers, especially those concerned with food manufacturing and safety.

2. Mapping for Core/Required Courses of an Award Program

- 0 No Contribution:** The curriculum associated with the course Student Learning Outcome (SLO) does not contribute in any way to the students' ability to exhibit the knowledge/skills associated with the Award Program Student Learning Outcome (APSLO).
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Utilizing the mapping criteria as your guide to linking course outcomes with program outcomes:

Core/Required Course	Course SLO	Award Program Student Learning Outcomes						
		A	B	C	D	E	F	G
BIO 190	# 1	3						
	2	3						
BIO 191	1	3						
	2	3						
BIO 192	1	3						
	2	3						
BIO 193	1	3						
	2	3						
BIO 194	1	3						
	2	3						
BIO 196	1	3						
	2	3						
BIO 211	1	3						
	2	3						
	3	3						



Biol 190 course SLOs

9. Demonstrate knowledge of the fundamental biotechnology concepts that include basic molecular biology, industrial applications, a brief history of the field, and ethical considerations.
10. Demonstrate a proficiency in the techniques used for scientific communication.

Biol 191 course SLOs

9. Demonstrate a proficiency in the techniques used for scientific analysis, documentation and communication in a laboratory and industrial setting.
10. Demonstrate the knowledge of fundamental biotechnology techniques and its basic molecular biology industrial applications and ethical considerations.

Biol 192 course SLOs

7. Students will be able to write and follow standard operating procedures (SOPs).
8. Students will demonstrate how to obtain a purified sample of a genetically engineered protein

Biol 193 course SLOs

5. Students will be able to maintain an industry standard notebook.
6. Students will illustrate how to subclone a gene into a cloning vector.

Biol 194 course SLOs

5. Exhibit knowledge of regulatory compliance in the bioscience industry.
6. Demonstrate knowledge of quality assurance in the bioscience industry.

Biol 196 course SLOs

1. Demonstrate fundamental knowledge of regulations that apply to food production.
2. Demonstrate a knowledge of food contaminants and resulting illnesses associated with their ingestion.

Biol 211 course SLOs

10. Express a coherent understanding of fundamental biological concepts that include cell structure, energy, cell reproduction, and genetics.
11. Employ the principles of the scientific method to investigate both laboratory and ordinary situations.
12. Conduct laboratory investigations according to given experimental procedure, collect and analyze resulting experimental data, and formulate valid conclusions based on the results.



Program/Department: A.S. Business Administration for Transfer

Submitted by: Steven Deeley

Date Submitted: 11/15/2013

1. Award Program Student Learning Outcomes

A. Student will transfer to a four-year institution

B. Student will have a broad background in the fundamentals of business leading to a career in management, finance, teaching, or entrepreneurship.

C.

D.

E.

F.

G.

2. Mapping for Core/Required Courses of an Award Program

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