



# Course Outcomes Form Northwest Indian College

All hand-outs are posted on the faculty website at [www.nwic.edu/faculty](http://www.nwic.edu/faculty) (follow the Assessment link)

Before completing this form, please refer to the *Instructions for Completing the Course Outcomes Form*. Please submit this form electronically to Shidon Aflatooni at [saflatooni@nwic.edu](mailto:saflatooni@nwic.edu).

Last date this form was updated or edited	28 April 2007
Course Number (e.g., ENGL 101)	BIOL 310
Course Name (e.g., English Composition I)	Ecology and the Web of Interrelatedness
List all instructor(s) who participated in creating and approved these course outcomes (please consult with at least one other person)	Brian Compton, Dan Burns, Linda Ward.
List the main textbooks, readings or other resources used in this course (including title, year and publisher)	Molles, M.C. Jr. 2005. Ecology: concepts and applications. 3 <sup>rd</sup> edition. New York, NY: McGraw Hill Publishing. ISBN number: 0-072-43969-6.

A. **NWIC outcomes:** From the *List of NWIC Outcomes*, select the most important outcomes you assess in this course (at least one NWIC outcome must be chosen- maximum of four).

NWIC outcome # (e.g., “Written communication: 2a. write standard English”)	Instructional Activities: How will students master this outcome? (e.g., solving problems, group activity)	Assessment/Evaluation Strategies: How will you measure this outcome? (e.g., student presentations, essays)
Outcome 1a. Students will demonstrate an understanding of a sense of place.	Field labs: explore the inter-connectivity of organisms with their environment	Written lab reports
Outcome 2a. Students will be able to write standard English.	Written lab reports Term research paper	Written lab reports Term research paper
Outcome 2b. Students will be able to write in a variety of text forms using various credible sources.	Written lab reports Term research paper	Written lab reports Term research paper
Outcome 5b. Students will use analytical and critical thinking skills to draw and interpret conclusions.	Collection and analysis of field data Written lab reports Term research paper	Written lab reports Term Research paper Midterm and final exams

**B. Course outcomes:** In order of priority, list the most important other learning outcomes for this course that you assess (a maximum of 10).

<b>Other course outcomes: Complete the sentence – As a result of this course, students will be able to...</b>	<b>Instructional Activities: How will students master this outcome? (e.g., solving problems, group activity)</b>	<b>Assessment / Evaluation Strategies: How will you measure this outcome? (e.g., student presentations, essays)</b>
Assess factors of abiotic environments that control ecosystem productivity.	Weekly field labs Lecture Term research paper	Weekly field lab write-ups Midterm and final exams Research paper
Make linkages between the physiology of organisms and their life history strategies.	Weekly field labs Lecture Term research paper	Weekly field lab write-ups Midterm and final exams Research paper
Identify the influences of regional- and global-level climate cycles on local ecosystems.	Weekly field labs Lecture Term research paper	Weekly field lab write-ups Midterm and final exams Research paper
Quantify the capture of energy by ecosystems, and its flow through local ecosystem food webs.	Weekly field labs Lecture Term research paper	Weekly field lab write-ups Midterm and final exams Research paper
Describe the dynamics of species distribution and abundance in local ecosystems	Weekly field labs Lecture	Weekly field lab write-ups Midterm and final exams Research paper
Characterize predation, mutualism, competition, cooperation, succession, disturbance, and other interactions between species.	Weekly field labs Lecture	Weekly field lab write-ups Midterm and final exams Research paper

**C. Please list the NWIC outcomes and course outcomes from above on your syllabus.**

**D. Please assess the NWIC outcomes and course outcomes, which are listed above, in your classes.**