



Course Outcomes Form Northwest Indian College

All hand-outs are posted on the faculty website at 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.

Last date this form was updated or edited	July 15, 2007
Course Number (e.g., ENGL 101)	MATH 210
Course Name (e.g., English Composition I)	Biostatistics
List all instructor(s) who participated in creating and approved these course outcomes (please consult with at least one other person)	Brian Compton (adapted from John Rombold's syllabus)
List the main textbooks, readings or other resources used in this course (including title, year and publisher)	Motulsky, Harvey (1995) Intuitive Biostatistics. Oxford University Press. NY, NY. ISBN: 0-19-508607-4

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)
Quantitative skills: 2b: Collection and analysis of data	Solving homework problems	Homework, final exam and/or project and presentation

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

Other course outcomes: Complete the sentence – As a result of this course, students will be able to...	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)
Identify and classify types of variables used in biostatistics	Solving homework problems	Homework, final exam and/or project and presentation
use biostatistics operations in Excel	Solving homework problems	Homework, final exam and/or project and presentation
Describe basic probability principals as applied to biostatistics	Solving homework problems	Homework, final exam and/or project and presentation
Use transformations to satisfy the assumptions of the tests used	Solving homework problems	Homework, final exam and/or project and presentation
Describe and be able to apply 1- and 2-sample hypotheses	Solving homework problems	Homework, final exam and/or project and presentation
Describe and be able to apply ANOVA	Solving homework problems	Homework, final exam and/or project and presentation
Apply t-tests	Solving homework problems	Homework, final exam and/or project and presentation
Describe and be able to apply correlation and simple regression in biostatistics	Solving homework problems	Homework, final exam and/or project and presentation
Describe and be able to apply chi-square test	Solving homework problems	Homework, final exam and/or project and presentation
Decide on the appropriate statistical analysis for a given situation	Solving homework problems	Homework, final exam and/or project and presentation

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.