



# Course Outcomes Form Northwest Indian College

All hand-outs are posted on the faculty website at [ww2.nwic.edu/faculty](http://ww2.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	9/13/07
Course Number (e.g., ENGL 101)	CMPS 106
Course Name (e.g., English Composition I)	Analog and Digital Electronics
List all instructor(s) who participated in creating and approved these course outcomes (please consult with at least one other person)	Gary Brandt
List the main textbooks, readings or other resources used in this course (including title, year and publisher)	<u>Robot Building for Beginners</u> ; Cook, David, ISBN 1-893115-44-5
	<u>Electronic Circuits for the Evil Genius</u> ; Cutcher, Dave, ISBN0-07-144881-0

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)
Written Communication 1. write in standard English 2. write a technical paper using various credible sources	1. Choose a topic from a provided list 2. Submit a rough draft following the report guidelines 3. Submit a corrected final draft	1. Format follows guidelines 2. References cited properly 3. Spelling and grammar meet acceptable standards

**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:</b> <b>Complete the sentence –</b> <b>As a result of this course,</b> <b>students will be able to...</b>	<b>Instructional Activities: How</b> <b>will students master this</b> <b>outcome? (e.g., solving</b> <b>problems, group activity)</b>	<b>Assessment / Evaluation Strategies:</b> <b>How will you measure this</b> <b>outcome? (e.g., student</b> <b>presentations, essays)</b>
Demonstrate basic components and skills.	Individual and Group activities Projects Hands-on	Working Projects Student presentations
Create digital electronics.	Individual and Group activities Projects Hands-on	Working Projects Student presentations
Create analog switches for digital circuits.	Individual and Group activities Projects Hands-on	Working Projects Student presentations
Create NAND Gates.	Individual and Group activities Projects Hands-on	Working Projects Student presentations
Build counting systems.	Individual and Group activities Projects Hands-on	Working Projects Student presentations
Build a functioning line-following robot.	Individual and Group activities Hands-on	Working Projects Student presentations

**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.**