Course Assessment - Part A: Your Plan

Please select your course and name from the drop-down menu. If your course or name are incorrect or missing, contact the Curriculum and Assessment Administrative Assistant, 541-506-6037 or swade@cgcc.edu.

EET 251- Digital Electronics 1: Programmable Logic Devices- Chris Spengler- Part A- Fall 2024

* Part A: Your Plan DIRECTIONS 1. Choose three of your course outcomes to assess and report on this term (these will also be used in your Student Course Evaluation survey): Outcome #1

Recognize the differences between analog and digital systems and the advantages of digital.

* Outcome #2

Read, express, and convert between decimal, binary, 2's complement, hex, BCD, Gray's, or octal number system.

* Outcome #3

Determine the behavior of basic logic gates (AND, OR, NOT, NAND, NOR, XOR, and XNOR) in a circuit.

Have you completed an assessment for this course prior to this term?

Yes

If yes, are you assessing different outcomes?

No

Comments:

(No response)

2. To which degree(s) or certificate(s) does your course map? Degree, Certificate, & Program Outcomes

Associate of Applied Science: Electro-Mechanical Technology

* Method of Assessment 3. What methods will be used to assess individual student understanding of each of these outcomes? (Please be specific.) Outcome #1: Method to assess student understanding

Worksheets, lab practical exercises, quizzes, and exams.

* Outcome #2: Method to assess student understanding

Worksheets, lab practical exercises, quizzes, and exams.

* Outcome #3: Method to assess student understanding

Worksheets, lab practical exercises, quizzes, and exams.

* 4. How will you know if you were successful in your efforts to teach this outcome? Outcome #1:

Students can differentiate between analog and digital systems and identify advantages of digital.

* Outcome #2: How will you know if you were successful in your efforts to teach this outcome?

Students can read, express, and convert between decimal, binary, 2's complement, hex, BCD, Gray's, or octal number system.

* Outcome #3: How will you know if you were successful in your efforts to teach this outcome?

Given known logical inputs students can identify the logical output of basic logic gates in a circuit.

5. Instructor Questions: Create two course specific questions to be included on the Student Course Evaluation. Question #1

(No response)

Question #2

(No response)

Do you require the names of students who complete the course evaluation survey? (Please note: names will be sent to instructors the Thursday before term ends)

NO

Reminder, when completing Part B, instructors will be asked the following questions: Describe anything you did to assist the institutional effort to support students in improving achievement of the specified criteria for the following Institutional Learning Outcomes (ILO): 1. ILO#1 - Communication - "Content Development" and/or "Control of Syntax and Mechanics" 2. ILO#2 - Critical Thinking/Problem Solving - "Evidence" and/or "identify strategies" 3. ILO#4 - Cultural Awareness - "Openness" (Encouraging our students to "Initiate and develop interactions with culturally different others") 4. ILO#5 - Community and Environmental Responsibility 5. ILO#3 - Quantitative Literacy - "Application/Analysis" and/or "Assumptions"

(No response)