Course Assessment - Part A: Your Plan   `COMPLETE`   #582

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-Fall 2022

* 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

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

* Outcome #2

5. Use a programmable logic device and hardware definition language to implement a minimized logical expression.

* Outcome #3

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

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

Yes

If yes, are you assessing different outcomes?

No

Comments:

I believe I have done an assement on the course previously. The course material is similar and I have tried to increase the relevance of the course with real world examples.

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

Labs - ability to assemble the projects and have the project function properly.

* Outcome #2: Method to assess student understanding

Labs -ask the students question about the complete lab project to determine the understanding of the subject matter

* Outcome #3: Method to assess student understanding

Testing and quizzes. Attendance and participation.

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

Labs - were the student able to complete the labs and did the project functions properly. Does the student understand what they just built.

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

Labs - students were able to troubleshoot the labs in order to successful get the lab to function properly.

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

Testing - the student is able to pass the quizzes and mid-term/final with a satisfactory percentage

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

Do feel this course was worth your time and money?

Question #2

Do you feel the possible real world examples increases the relevance of the course material?

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 - "Student Position" and/or "Evaluate Potential Solutions" 3. ILO#4 - Cultural Awareness - "Curiosity" (Encouraging our students to "Ask deeper questions about other cultures and seek out answers to these questions") 4. ILO#5 - Community and Environmental Responsibility - "Understanding Global Systems" and/or "Applying Knowledge to Contemporary Global Contexts" 5. ILO#3 - Quantitative Literacy - "Application/Analysis" and/or "Assumptions"

(No response)