EvaluateUR-CURE

Preparing Future STEM Technicians by Using Assessment as a Teaching and Learning Tool in Course-Based Research at Community Colleges

ATE Project: #1836033
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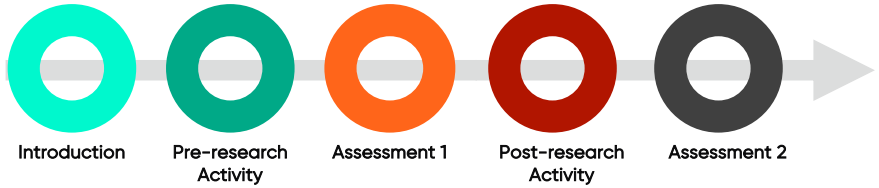
https://serc.carleton.edu/evaluateur/cure

FEATURES

- Building on structure and functionality of EvaluateUR
- Currently being pilot tested
- Get more information on website
- Outcome categories and components
- Faculty can choose categories and add outcomes
- Built in score reports and statistical package

TIMELINE



There is an E-CURE version for a single semester CURE and another for CUREs that span 2 semesters. There are 5 discrete stages for a one semester course and the assessments are repeated 2 additional times for a two-semester CURE. The steps that take place at each stage are described on the project website.

PROJECT DESCRIPTION

This project is supporting community college students who conduct course-based research in technician education programs. The project helps students identify the knowledge and skills they gain through their research experience, to identify areas in which they need to improve, and to use this knowledge to their advantage as they enter the workforce. The project aligns with the goals of the ATE program in educating a skilled technical workforce and leverages both the Community College Undergraduate Research Initiative and the technical resources available through the Science Education Resource Center at Carleton College. This project builds upon EvaluateUR, an evidence-based method developed at SUNY Buffalo State to measure a range of desirable outcomes of research participation.

ACCOMPLISHMENTS

1. Outcome categories and components were identified for E-CURE.
2. Online tools were developed to guide the students and instructor through the E-CURE process.
3. Initial pilot testing of E-CURE took place in Spring 2020 (interrupted due to covid-19)
4. Developed several assignments to help students develop and improve their metacognitive skills.
5. Refining the code that supports E-CURE to separate it from the EvaluateUR system and developing two versions of E-CURE for one- and two-semester research courses.
6. Currently pilot testing the system in a 2-semester CURE.