



Academy Practicum on Creating Integrated Instruction Returns this Spring

This spring, teams of faculty members from colleges across the state will participate in the NC-NET Academy's Practicum that offers a "deep dive" in integrated curriculum design. Instructors from academic disciplines are paired with instructors from career-technical disciplines for collaborative work on integrated projects. Titled *Collaborative Curriculum Development for Creating Integrated Instruction*, the Practicum challenges teams to create classroom-ready projects that:

- Integrate career and technical content and academic concepts—reinforcing both
- Use real-world scenarios to engage students and make content relevant
- Foster critical thinking, collaboration, and other skills valued by employers
- Encourage instructors to use active, authentic assessment techniques

Disciplines represented in the spring 2017 cohort included Health Science, Biotech, Nursing, Anatomy and Physiology, Surgical Technology, Electronic Engineering Technology, Physics, HVAC, Quantitative Literacy, Human Services Technology, Communication and Public Speaking, and Information Technology.

Faculty must be nominated by their NC-NET campus liaison or chief academic officer to be eligible to participate. Criteria for nomination and additional details about the program are available on the Practicum [page](#) of the NC-NET website. Nominations will open in early January and close on February 15. The Practicum will be delivered March 9 – April 30, 2018 with final projects due from teams on May 1.

In this issue of *NC-NET News* we share the finished product from one of the 2017 teams.

An integrated project by Christina Weeks and Meg Boles, Pitt Community College

Zombie Apocalypse! Zombie Plague Prion Testing

Project Description:

This project is developed around an epidemic plague scenario to engage students in the role of a team of laboratory scientists tasked with testing and evaluating biomedical sample data. Students will work with sample data, perform a variety of calculations, and produce and present a report.



Estimated Duration:

Five activities divided into four or five sessions.

Appropriate Course(s) for Implementation:

- MAT 143
- MAT 110
- MAT 152
- Biotechnology

Project Files:

The classroom-ready materials to implement this project are provided below. Download the first file (Teacher Materials) for the complete project, background materials, and instructions.

1. [Zombie Apocalypse Teacher Materials.pdf](#)
2. [Zombie Apocalypse Student Materials.pdf](#)
3. [Calculations Involving Solution Preparation and Dilutions.pptx](#)
4. [Lowry Assay.pptx](#)
5. [Lowry Assay Data Template.xlsx](#)