

Teaching Experience

Rachel N. Slaybaugh

May 29, 2014

University of California, Berkeley

Assistant Professor of Nuclear Engineering

Jan. 2014 - Present

Berkeley, CA

- Taught NE 155, Introduction to Numerical Simulations for Radiation Transport, Spring 2014

Software Carpentry Scientific Computing Workshop

Instructor

Apr. 14-15, 2014

Berkeley, CA

- Hosted by Lawrence Berkeley National Laboratory
- Introductory material, version control, object oriented concepts in Python

Bettis Laboratory

Senior Engineer in the Shield Design and Development group

Mar. 2012 - Aug. 2014

West Mifflin, PA

- Qualified instructor for Bettis Reactor Engineering School (BRES), an internal school for new DOE-Naval Reactors employees
- Co-taught BRES Shielding course Fall 2012, 2013, and Spring 2013
- Used internally-written shielding text by R. Amato

University of Pittsburgh

Adjunct Professor

Fall 2012, Spring 2013

Pittsburgh, PA

- Co-taught Introduction to Nuclear Engineering (ENGR 1700), which covers theory / basic nuclear engineering, basics of nuclear power reactors, and nuclear power reactor operations
- Co-taught *new* course Nuclear Chemistry and Radiochemistry (ENGR 2112): responsible for nuclear astrophysics and migration of radionuclides through the environment

Virtual Science Challenge

Mentor

Apr. 2012-Mar. 2013

Monterey, CA

- Mentor for winning U.S. team in international nuclear nonproliferation science fair, organized through the Center for Nonproliferation Studies
- Facilitated online discussions, participated in workshops, and served as an information resource for the students throughout their project

Penn State Breazeale Reactor

Educational Outreach

Jan. 2003 - Apr. 2006

University Park, PA

- Taught Freshman Seminar and led tours for kindergarten through college students
- Developed educational tools such as handouts, presentations, and games