Teaching Experience

Rachel N. Slaybaugh

December 17, 2014

University of California, Berkeley Jan. 2014 - Present
Assistant Professor of Nuclear Engineering *Berkeley, CA*

- Taught NE 155, Introduction to Numerical Simulations for Radiation Transport, Spring 2014 and 2015 (senior-level elective)
- Taught NE 24, Putting the Science in Computational Science, Spring 2015 (Freshman seminar)

Software Carpentry Scientific Computing Workshops
Instructor *Berkeley, CA*

- Jan. 5-6, 2015: version control; hosted by University of Colorado, Boulder
- Apr. 14-15, 2014: introductory material, version control, object oriented concepts in Python; hosted by Lawrence Berkeley National Laboratory

Bettis Laboratory Mar. 2012 - Aug. 2014
Senior Engineer in the Shield Design and Development group *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 Fall 2012, Spring 2013
Adjunct Professor *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 Apr. 2012-Mar. 2013
Mentor *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 Jan. 2003 - Apr. 2006
Educational Outreach *University Park, PA*

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