

## **Curriculum Vita**

### **Minory Nammouz**

#### **PERSONAL DATA**

Minory Nammouz  
Senior Lecturer  
Department of Environmental engineering and Earth Sciences  
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#### **EDUCATION**

Ph.D., Clemson University, 2005, Curriculum and Instruction, Science Education  
M.Ed., Clemson University, 2002, Science for Secondary Schools  
B.A., Technion – Israel Institute of Technology, 1997, Chemistry

#### **PROFESSIONAL EXPERIENCE**

Senior Lecturer, Department of Environmental Engineering and Earth Sciences, Clemson University (2016 – Present)  
Lecturer, Department of Environmental Engineering and Earth Sciences, Clemson University (2011 – 2016)  
Post-Doctoral Fellow, Department of Engineering and Science Education, Clemson University (2009 – 2011)  
High School Chemistry Teacher, Israel (2006 – 2008)  
Graduate Research Assistant, Clemson University (2000 – 2005)

#### **TEACHING EXPERIENCE**

##### **Courses Taught**

PH SC 1070 – Introduction to Earth Sciences, Su12, Su13, Su14  
PH SC 1080 – Introduction to Physical Sciences, Su12, Su13, Su14  
PH SC 1170 - Introduction to Chemistry and Earth Sciences for Elementary Education Majors, (2011 – Present)  
PH SC 1180 – Introduction to Physics Astronomy and Earth Sciences for Elementary Education Majors, (2011 – Present)  
EN SP 2000 – Introduction to Environmental Science and Policy, (2013 – Present)  
EN SP 2010 – Introduction to Environmental Science and Policy for Elementary Education Majors, (2014- Present)  
ENSP 1250 – Sustainable Resource Use (summer online course), (2016 – Present)

##### **New Course Development**

PH SC 1170 - Introduction to Chemistry and Earth Sciences for Elementary Education Majors

PH SC 1180 – Introduction to Physics Astronomy and Earth Sciences for Elementary Education Majors

EN SP 2010 – Introduction to Environmental Science and Policy for Elementary Education Majors

ENSP 1250 – Sustainable Resource Use (online course)

## **OTHER PROFESSIONAL EXPERIENCE**

Post Doctoral Researcher, Department of Engineering and Science Education, Clemson University (2009 – 2011)

- Duties:
  - Develop methods to investigate how students learn chemistry.
  - Elicit misconceptions among general chemistry students.
  - Develop assessment methods for students to overcome misconceptions.
  - Develop a method to help students in using self-explanations when solving chemistry problems.
  - Analyze quantitative data collected from high stakes assessments.

Adjunct Chemistry Instructor, Anderson University (2005)

- Duties:
  - Teach general chemistry for non-science majors.

Graduate Research Assistant, Chemistry Department, Clemson University (2002 – 2005)

- Duties:
  - Design research methodology.
  - Analyze on-line quantitative research data.
  - Supervise the application of an internet-based software package known as IMMEX (Interactive Multimedia Exercises) in the general chemistry laboratories
  - Study the correlation between gender and problem solving in general chemistry.
  - Study the effects of logical reasoning abilities on problem solving in general chemistry.
  - Study the effects of problem solving strategies on students' achievement in General Chemistry.
  - Study the effects of collaborative groups on problem solving strategies.

Graduate Assistant, Department of Education, Clemson University (2001 – 2002)

- Duties:
  - Assist in the “Call Me Mister” project.
  - Work with the drop-out prevention center.
  - Assist in evaluating pre-service teachers' field experience reports.
  - Assist in undergraduate teacher education courses.

## **SPONSORED RESEARCH**

Hands-On, Making Science, SC Commission on Higher Education, co-PI, \$111,090, \$7,337.96, (2015-2016)

## OTHER SPONSORED ACTIVITY

Recipient of “Online Course Development Grant”, Clemson University, \$7,500, 2015.  
Recipient of “Global Learning Seed Grant”, Council of Global Engagement, Clemson University, \$3,400, 2018.

## PUBLICATIONS AND TALKS

Cooper M. M., Cox C., Nammouz M., Case E. (2008). An assessment of the effect of collaborative groups on students’ problem-solving strategies and abilities. *Journal of chemical education*. 85, 866-871.

Cooper M. M., Stevens R. H., Cox C., Nammouz M., Case E. (2004). Probabilities and Predictions: Modeling the development of scientific competence, *proceedings of the 228<sup>th</sup> ACS National Meeting*. Presented at the ACS National Meeting in Philadelphia, 2004.

Cox C., Cooper M. C., Nammouz M., Stevens R.H. Study on the effectiveness of interventions to improve problem solving ability in general chemistry students, *proceedings of the 231<sup>st</sup> ACS National Meeting*. Presented at the ACS National Meeting in Georgia, 2006.

Nammouz M. (2005), A study of the effects that grouping laboratory partners based on logical thinking abilities have on their problem solving strategies in a general chemistry course, *Doctoral Dissertation*.

Nammouz M. (2018), Physical science labs – From the macroscopic to the microscopic level. Presented at Clemson University Teaching Forum.

Nammouz M. (2019), Critical Thinking in Environmental Science Course - Practical Examples. Presented at Graduate Student Teaching Institute on Critical Thinking, Clemson University.

Nammouz M. (2020), Global Learning for Pre-Service Teachers. Presented at oranim virtual conference “From Research to Application and Practice to Research”, Oranim College of Education, Israel.

## UNIVERSITY AND PUBLIC SERVICE

- Directed elementary education majors in developing and delivering “Earth Day” activities for local elementary school students.
- Evaluator, General Education Assessment Institute, (2015 – 2018)
- Member of the college Graduate Student Academic Grievance Committee (2016-2019)
- Member of the ENSP committee (2016-present)
- Member on the search committee for Associate Dean for Research and Undergraduate Studies in CECAS (2016)
- Participated in the Clemson Thinks2 Faculty Institute (2017)

- Participated in the general education design and assignment wrap workshop (2018).
- Member of the search committee for “Geology Lecturer” (2019)
- Attended Clemson University global learning Institute (2019)
- Attended Annual Clemson Teaching Excellence Conference (2019)
- Participated in the "World Cafe Discussion on Generation Z" at CU (2019)
- Attended the General Education Program Retreat, Summer (2019)
- Member of the Virtual Exchange Committee, Office of Global Engagement, Clemson University (2020- present)
- Delegate to Clemson University faculty senate (2020-present)