

Curriculum Vita

Minory Nammouz

PERSONAL DATA

Minory Nammouz

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 REGISTRATION

High School Chemistry Teaching Certificate, Israel, 1997

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 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, (2012 – Present)

PH SC 1070 – Introduction to Earth Sciences, Su12, Su13, Su14

PH SC 1080 – Introduction to Physical Sciences, Su12, S13, S14

EN SP 2010 – Introduction to Environmental Science and Policy for Elementary Education Majors, (2014- Present)

EN SP 2000 – Introduction to Environmental Science and Policy, (2013 – Present)

New Course Development (List Courses Developed)

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

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.

MEMBERSHIPS

Member, National Association for research in Science Teaching, NARST (2012 – present)

Member, National Science Teacher Association, NSTA (2012 – present)

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.

PUBLICATIONS

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 228th 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 231st 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*.

UNIVERSITY AND PUBLIC SERVICE

Evaluator, General Education Assessment Institute, (2015 – present)

Member of the college Graduate Student Academic Grievance Committee (2016-present)

Member on the search committee for Associate Dean for Research and Undergraduate Studies in CECAS (2016)