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Grace Zoorob Ph.D.

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TEACHING EXPERIENCE

Professor, Associate Chair- HCCS- Central
College, 2015-present Classes taught:

- General Chemistry I and II lecture and laboratory
Developed an online General Chem. course, working on
to standardizing syllabi and labs
- Organic Chemistry lecture and laboratory, developed new experiments to
be added to the curriculum using UV/Vis, IR and NMR instruments
- Innovation Fellow at the WHI

Senior Lecturer, Vanderbilt University, Department of Chemistry, 05- 2014
Classes taught:

- General Chemistry lecture; used Personal Response System (PRS)
- Capstone Laboratory; developed set up for the lab, bought
instrumentation, developed problem based experiments in
inorganic synthesis and separations
- Quantitative Analysis Lecture and Lab; incorporated the use of
PRS in lecture; added new GC/FID, UV/Vis and fluorescence
experiments in lab; participated in Turn-it-in Pilot Program for
OAK
- Instrumental Analysis Lab; added new GC/MS, LC/MS/MS and
MALDI/MS experiments, combined experiments into a ClassPak
manual for the laboratory, introduced problem-based labs
- Advanced Analytical Problems; created analytical problems and
supervised graduate students while trying to find solutions
- Forensic Analytical Chemistry lecture and laboratory; developed
material for lecture and lab, approved as a 200-level writing class
for chemistry majors
- Director Chemistry Department Instrumental Laboratory:
organized the lab; set up web site; wrote protocols, trained students
and post docs, purchased new instruments, set up and maintained
instruments
- Vanderbilt Visions, Faculty VUceptor, The Commons, 08-present
- Summer Vanderbilt Academy, taught forensic chemistry, 2010-
2013

Adjunct Instructor, Meharry Medical College, Nashville, TN, summer 2005-2012
Taught organic chemistry I and II for the BS/MD program

Assistant Professor, Xavier University of LA, Department of Chemistry, New Orleans, LA, 00-03

Classes taught:

- Organic Chemistry I and II and Lab
- General Chemistry I and II and Lab
- Quantitative Analysis Lecture and Lab for six semesters, served as lab coordinator.
- Instrumental Analysis Lecture and Lab: incorporated environmental chemistry in lecture and lab.
- Undergraduate research; develop methods for the analysis of herbal medications/dietary supplements, and toxic metals in soil and water

EDUCATION

Ph.D. in Chemistry

University of Cincinnati, Cincinnati, OH

Advisor: Dr. Joseph Caruso, Professor and Dean of Arts and Sciences

Dissertation: "Liquid Chromatography Coupled to Inductively Coupled Plasma Mass Spectrometry and Electrospray Mass Spectrometry for Elemental Analysis"

M.S. in Organic Chemistry

Clemson University, Clemson, SC

Advisor: Dr. John Huffman, Professor of Chemistry

Thesis: "Synthesis of Δ^7 -Tetrahydrocannabinol"

B.S. in Chemistry,

American University of Beirut, Beirut, Lebanon

Teaching Diploma, Science Education

American University of Beirut, Beirut, Lebanon

HONORS

- Graduate Student Supplemental Scholarship, Department of Chemistry, University of Cincinnati, Cincinnati, OH
- Warner Teaching Award: Department of Chemistry, Clemson University
- Dean's Honor List, American University of Beirut, three semesters