

DONALD W. ESTES  
Department of Chemistry and Biochemistry  
Stern College for Women  
Yeshiva University  
245 Lexington Avenue  
New York, NY 10016  
(212) 3407817  
[estes@yu.edu](mailto:estes@yu.edu)

## EXPERIENCE

1999 - Yeshiva University, New York, NY  
Senior Laboratory Instructional Specialist  
- taught 90 586.56 Tm (1M 9.56 Tm (1M 9.56 Tm (1M 9.56 [(en6.5(1M 9.56 Tm  
-a-41sr

1994 -1999

The City University of New York, New York, NY

Adjunct Assistant Professor of Chemistry and Physics

- taught general chemistry lecture and laboratory, general

1982 -1983            University of Illinois, Urbana, IL  
Postdoctoral Research Associate  
- developed a methodology for calculating molecular  
rovibrational bound states

## EDUCATION

University of Illinois, Urbana, IL  
Ph.D. in Chemistry, 1982  
Thesis: "The Quantum Mechanical Hamiltonian of Rotating Polyatomic  
Molecules and an Exact Solution"

Harvard University, Cambridge, MA  
1977 -1978, Chemical Physics

Wayne State University, Detroit, MI  
B.S. in Chemistry with High Distinction, 1977

## HONORS AND ORGANIZATIONS

Phi Beta Kappa  
Phi Lambda Upsilon  
Sigma Xi  
Michigan Chapter American Institute of Chemists Award, 1977  
Presidential Scholarship, Wayne State University, 1977

## PUBLICATIONS

D. Estes, L. Blau, S. Guigui, and Neleski, "Base Stacking in Deoxyoligonucleotide  
Duplexes", Journal of Undergraduate Chemistry Research, 11, 27 (2012).

D. Estes and D. Secrest, "The Vibrational Hamiltonian- A Unified Treatment of  
Linear and Nonlinear Molecules", Molecular Physics, 59, 569 (1986).

G. Fraenkel, M. Geckle, A. Kaylo, and D. Estes, "Effects of Ligands on the  
Behavior of Benzylic Lithium Compounds", Journal of Organometallic Chemistry, 197,  
249 (1980).

G. Fraenkel, D. Estes, and M. Geckle, "Reaction of Butyllithium with 1-  
Phenylcycloalkenes", Journal of Organometallic Chemistry, 185, 147 (1980).

## ABSTRACTS

D. Estes and L. Blau, Techniques, Synthesis, and Analysis in a One Semester Organic  
Chemistry Laboratory Course of a Liberal Arts College, 21<sup>st</sup> Biennial Conference on  
Chemical Education, Allegan, MI, August 2014.

D. Estes and L. Blau, "The Instructional Organic Chemistry Laboratory of a Small  
Liberal Arts College", 22<sup>nd</sup> Biennial Conference on Chemical Education, University  
Park, PA, July 2012.

