

Department of Teaching and Learning

Faculty Profile and Curriculum Vitae



Dr. Donald Ploger

Associate Professor

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[Curriculum Vitae](#)

Davie Campus

Credentials:

Ph.D. Rutgers University, Cognitive Psychology (1986)

M.S. Rutgers University, Biochemistry (1979)

B. S. Rutgers University, Psychology (1974)

Biography

Dr. Donald Ploger, Associate Professor, provides the Department of Teaching and Learning in Florida Atlantic University (FAU)'s College of Education with instruction in science and mathematics education. He joined the University in 1993 as Assistant Professor and was promoted to Associate Professor in 1997. Dr. Ploger has written numerous articles for journals. His latest, written with Dr. Steve Hecht of the FAU Psychology Department, is "Meaning, Memory and Multiplication: Integrating Patterns and Properties with Basic Facts," in the May-June 2012 issue of *Childhood Education*.

Dr. Ploger and Dr. Hecht were also co-Principal Investigators of a grant funded by the U.S. Department of Education, called Teaching Conceptual Knowledge about Arithmetic Operations Using ChartWorld Software: An Evaluation, from 2005-2007. ChartWorld is a flexible computer program that allows children to create, modify and extend a wide variety of patterns. Each pattern is determined by a specific mathematical reason. To view the ChartWorld Tutorial designed by Dionne Ekendiz, click <http://www.coe.fau.edu/faculty/ploger/chartworld/index.htm>. Dr. Ploger also was a consultant and teacher trainer for Broward County Public Schools under the Florida Teacher Quality Grant Award from 2009 to 2011.