# Article Abstracts:

### Developmental Mathematics: Challenges, Promising Practices, and Recent Initiatives
By Barbara Bonham and Hunter R. Boylan

ABSTRACT: Developmental education has increasingly become part of the national debate in higher education. This is particularly true for developmental mathematics courses which, in general, have the highest rates of failure and noncompletion of any developmental subject area. This manuscript describes the current state of the art in developmental mathematics, discusses major initiatives designed to reform and improve success rates, and identifies research-based teaching practices associated with improved student performance in developmental mathematics courses.

### Incorporating Study Strategies in Developmental Mathematics/College Algebra
By Selina Vasquez Mireles, Joey Offer, Debra D. Ward and Carol W. Dochen

ABSTRACT: The purpose of this paper is to discuss the effectiveness of incorporating study strategies in a developmental mathematics/college algebra program. Both quantitative and qualitative data were collected through a quasi-experimental methodology. Results show that students reported increases on the Learning and Study Strategies Inventory (LASSI) scales in study strategy usage, and this new strategy usage was supported by comments students made on open-ended surveys. A discussion of conclusions, limitations, recommendations, and suggestions is also included.

### Improving Success in Developmental Mathematics: An Interview with Paul Nolting
By Hunter R. Boylan

Dr. Paul Nolting is a national expert in assessing individual math learning problems, developing effective student learning strategies, and assessing institutional variables that affect math success. Since his dissertation in 1986 on improving math success with study skills he has consulted with over 100 college, university, and high school campuses on math success. He has written journal articles; consulted on Quality Enhancement Plans; conducted live PBS and other broadcasts; presented at numerous national conferences; and written several texts, tutor manuals, handbooks, DVDs, and computer assessment programs to improve math success. His Winning at Math text won book of the year award from the National Association of Independent Publishers for best text of the association and is the only research-based math study skills text published in the U.S. He is employed at the State College of Florida in Bradenton, FL and has been an institutional test administer, learning specialist, director of Title III Programs, Student Support Services director, and disability coordinator. He has also been a graduate school adjunct instructor at the University of South Florida and Florida Gulf Coast University. His life has been dedicated to improving the success of math students.