



Vol. 55, No. 1 · March 2011

NACTA Journal (ISSN 0149-4910) is published quarterly by the North American Colleges and Teachers of Agriculture (formerly the National Association of Colleges and Teachers of Agriculture). It is directed toward the scholarship of teaching and learning in agricultural, environmental, natural and life sciences by presenting articles covering topics that treat all aspects of teaching such as methods, problems, philosophy, and rewards at the college level. All manuscripts undergo doubleblind peer review. An author's guide for manuscript preparation is available on the NACTA web page: http://www.nactateachers.org/ or are available upon request. Page charges of \$75.00 per manuscript are waived if one of the authors is a NACTA member.

All manuscripts submitted to the *NACTA Journal* are submitted and reviewed electronically. To submit a manuscript to the *NACTA Journal*, go to this website:

http://nacta.expressacademic.org/

Annual subscriptions (\$USD): Library: \$50.00; Institutional Active (your institution is a member): \$75.00 or \$200 for three years; Active: \$100.00 or \$275 for three years; Graduate Student: \$25.00; Emeritus: \$25.00; and Institutions: \$150.00 (4-year schools) and \$100 (2-year schools). Lifetime members one payment of \$750 or 4 payments of \$200. For questions about subscriptions contact the NACTA Secretary/Treasurer.

The Journal is published electronically/online and quarterly - March, June, September and December. The issues for the current year are available to NACTA members at this website: http://www.nactateachers.org/journal.html, a login and password obtained through membership is required.

Searchable past issues of the NACTA Journal are available to anyone at the same website – no login or password required.

A yearly hard copy of all four issues is printed in December and is available for purchase through Lulu.com.

Permission is granted for making individual copies of the contents of this issue if the *NACTA Journal* is fully cited as the source and full recognition is given to the authors.

The North American Colleges and Teachers of Agriculture (NACTA) is not responsible for statements and opinions published in the *NACTA Journal*. They represent the views of the authors or persons to whom they are credited and are not necessarily those of the Association. The publication of research information by the Association does not constitute a recommendation or endorsement of products or instrumentation involved.

Rick Parker, Editor nactaeditor@pmt.org



the professional journal advancing the scholarship of teaching and learning in agricultural, environmental, natural, and life sciences

Contents

Exercise in College Students2-8
Student Farms at United States Colleges and Universities: Insights Gained from a Survey of the Farm Managers9-15
Student Evaluation Scores for Courses Delivered by Interactive Videoconferencing16-20
Comparison between Online Activity and Performance in a Distance Education Equine Science Course21-25
Demographics of an Undergraduate Animal Sciences Course and the Influence of Gender and Major on Course Performance26-31
An Undergraduate Summer Research and Mentorship Experience for Underrepresented Students in the Agricultura Sciences32-37
Strengths and Weaknesses of Land-Grant Two-Year Technical Agriculture Programs as Perceived by Program Directors 38-43
Agribusiness Case Study Competitions – Educational, Practical, Challenging, and Rewarding44-49
Quantifying the Critical Thinking Skills of Students Who Receive Instruction in Meat-Animal or Meat Product Evaluation50-54
Characteristics and Employer Perspectives in Undergraduate Animal Industry Internships55-59
Texas A&M University Student Life Skill Development and Professional Achievement from Participation on a Collegiate Judging Team60-62
Knowledge and Utilization of Authentic Assessment Techniques by Lecturers in Botswana College of Agriculture63-67
Explaining Student Cognition during Class Sessions in the Context Piaget's Theory of Cognitive Development68-75
Academic Coaching for Enhanced Learning76-81
NACTA Reprint82-83
Teaching Tips/Notes84-86
NACTA Yesterday87-88
Book Reviews89-91
Join NACTA92

Using a Teaching Partnership to Improve Nutrition and