

Malcolm K. McEwen
Delta State University

Contact Information
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Education/Certifications

Ed.D. curriculum and instruction-science education, West Virginia University, Morgantown West Virginia, 1996.
M.S. science education, University of Southern Mississippi, Hattiesburg Mississippi, 1979.
B.A. zoology and secondary education, University of Mississippi, Oxford Mississippi, 1977.
A.A. science, Southwest Mississippi Community College, Summit Mississippi, 1975.

Work History

Director of the Center for Science and Environmental Education (CSEE) at Delta State University from July 2000 to present.
Professor of Science Education in the Division of Biological and Physical Sciences (formerly Department of Biological Sciences) at Delta State University from 1998 to present.
Associate Professor of Science Education in the Department of Biological Sciences at Delta State University from 1996 to 1998.
Assistant Professor of Science Education in the Department of Biological Sciences at Delta State University from 1987 to 1996.
Science Division Chair and Assistant Professor of Biology in the Division of Natural Sciences at Blue Mountain College from 1983 to 1987.
Biology and chemistry teacher at Shady Grove High School, Rosedale, Louisiana 1979-1980.
Science teacher at Bowling Green School, Franklinton, Louisiana from January 1979 to May 1979.
Biology and chemistry teacher at Picayune Memorial High School, Picayune, Mississippi from August 1977 to May 1978.

Teaching and Administrative Load

Fall 2005
BIO 592 Special Topics in Biology
CUR 493 Teaching the Sciences
CUR 498 Student Teaching in Science
Directorship of the Center for Science and Environmental Education (50% time)

Spring 2006

BIO 435/535 Methods and Materials in the Biological Sciences

BIO 492/592 Informal Science Education Programs

BIO 570 Internship

BIO 601 Problems in Teaching Biology in the Secondary Schools

CUR 493 Student Teaching in Science

Directorship of the Center for Science and Environmental Education (50% time)

Scholarship

McEwen, Malcolm K. and Strickland, Janice. "Implementing Inquiry-Based Science"
Presented at the Mississippi Private School Association convention, Greenwood,
Mississippi, December, 2004.

McEwen, Malcolm K. and Strickland, Janice. "What Can You Do with a Snail?"
Presented at the Mississippi Science Teachers Association convention, Jackson,
Mississippi, October, 2003.

McEwen, Malcolm K. and Strickland, Janice. "Exploring Geology Using the GEMS
Unit *Stories in Stone.*" Presented at the Mississippi Science Teachers Association
convention, Jackson, Mississippi, October, 2003.

Work Supporting P-12 Education

Established a Great Explorations in Math and Science (GEMS) network site, affiliated
with the GEMS program at the Lawrence Hall of Science, University of
California-Berkeley, at the CSEE to foster utilization of guided inquiry
instructional methodology in precollege science classrooms. 2001

Conducted five Family Science Nights for selected schools in the CSEE service area.
November, 2003-February, 2007.

Conducted five Great Explorations in Math and Science (GEMS) workshops for
elementary school science teachers in the CSEE service area. August, 2003-
February, 2007.

Conducted eight Activities Integrating Math and Science (AIMS) workshops for
elementary school science teachers in the CSEE service area. December, 2003-
February, 2007.

Conducted 39 professional development workshops for science teachers focusing on
implementation of the CSEE Science Curriculum Correlation Guide for grades K-
8. October, 2004-February, 2007.

Developed the CSEE Science Curriculum Correlation Guides for grades K-2, 3-4, 5-6,
and 7-8 which are widely used in schools in the CSEE service area as sources of
activities which correlate with the competencies and objectives in the Mississippi
Science Curriculum Framework. June, 2004-December, 2006.

Service (university)

Served on the DSU Graduate Council (2004-2005)

Chaired six master's degree orals committees (2003-2006)

Served as Graduate Biological Sciences Program Coordinator for the Division of
Biological and Physical Sciences (2004-present)