

DEBORAH A. CHESSIN
Associate Professor
Tenured
Initial Faculty Appointment (1998)
Elementary Education

EDUCATIONAL AND PROFESSIONAL CREDENTIALS

Degrees

| | | | |
|-------|------|---------------------------|--------------------------|
| Ed.D. | 1996 | University of Mississippi | Curriculum & Instruction |
| M.S. | 1982 | Cornell University | Physiology/Microbiology |
| B.S. | 1976 | Cornell University | Agronomy/Life Science |

Licenses

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|------|-----------------------------|
| AAAA | Elementary Education |
| AA | Biology and General Science |

PROFESSIONAL EXPERIENCE

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|----------------|--|
| 8/05 – present | Associate Professor of Elementary Education, The University of Mississippi and Coordinator of Service Learning. |
| 8/99 - present | Assistant Professor of Elementary Education, The University of Mississippi; Faculty Coordinator for Mathematics and Science serving Master and Specialist Fellows in the Mississippi Teacher Fellowship Program (MFTP); Director of Service Learning in the Department of Curriculum & Instruction |
| 5/98 - 8/99 | Project Director: <i>Delta Rural Systemic Initiative</i> : A NSF-funded Math and Science Education K-12 Initiative and Adjunct Assistant Professor of Elementary Education, The University of Mississippi |
| 1997-1998 | Visiting Assistant Professor, The University of Mississippi |
| 1996-1997 | Instructor, The University of Mississippi |
| 1995-1996 | Master Teacher of Mathematics and Curriculum Coordinator: Project LEAP (distance-learning adult literacy program) The Office of Research and Graduate School, The University of Mississippi |
| 1993-1995 | Consultant: Project LEAP Intermediate Mathematics Program |
| 1993-1994 | Graduate Instructor, The University of Mississippi |
| 1989-1993 | Teacher (sixth grade math and science) Oxford University School, Oxford, MS |
| 1984-1988 | Substitute Teacher (K-12) Baton Rouge City Schools, Baton Rouge LA. and Oxford City Schools, Oxford, MS |
| 1983-1984 | Graduate Research Assistant, Louisiana State University, Food Microbiology |
| 1978-1982 | Graduate Research Assistant, Cornell University, Vegetable Crops |
| 1976-1978 | Research Technician, Cornell University, Plant Breeding |

TEACHING

Courses taught

Spring 2006
EDLE 464 Student Teaching
EDEL 615 Problems and Investigations in Elementary Science

EDEL 625 Problems in Teaching Mathematics I
EDEL 797 Dissertation

Summer 2006

EDEL 615 Problems and Investigations in Elementary Science
EDEC 551 Sci & Num Concepts in Early Child Educ
EDUC 555 Special Topics in Education

Fall 2006

EDEL 404 Science in the Elementary School (4 sections)
EDLE 417 Action Labs in the Elementary School
EDEL 615 Problems and Investigations in Elementary Science

RESEARCH

PUBLICATIONS (*selected from over 25 publications*)

Reeves, C.; Chessin, D.A., & Chambless, (2006). Nurturing the nature of science – when they don't get it the first time. *Science Teacher*. (submitted for publication November 1, 2006)

Chessin, D.A. (2006). Short on time? Long on learning with science centers. *Science & Children*. (accepted for publication)

Chessin, D.A. & Chessin, L.C. (2006). Every feather tells a story. *Science & Children*. September, 14 – 18.

Chessin, D.A. & Zander, M.J. (2006). The nature of science and art. *ScienceScope*. 29, 42 – 47.

Chessin, D.A. & Blackburne, J. (February 2006). Theories of cognition. In F. English (Ed.) *Encyclopedia of Educational Leadership and Administration*. (pp. 273-278). Chapel Hill: Sage Publications.

Halfacre, J.; Chessin, D.A.; & Chambless, M. (Spring 2006). Service-learning and student attitudes. *Academic Exchange Quarterly*.

Chessin, D.A. & Shaw, J.M. (2006). CenterState science teachers' notes resource book. ETA/Cuisenaire, Chicago, Ill.

Chessin, D.A. & Shaw, J.M. (2005). CenterStage science: grade 1 student activities for earth science. ETA/Cuisenaire. Chicago, Ill.

PRESENTATIONS (*Selected from over 30 presentations*)

Chessin, D. The Write Stuff – NSTA Recommends Panel. NSTA National Conference April 6-9, 2006

Dougherty, B. & Chessin, D. Models of Mathematics and Science Integration. NSELA. April 5, 2006.

Shaw, J. & Chessin, D. Open Books—Open Minds to Mathematical Concepts. Anaheim, California, NCTM National Conference. April 7, 2005.

Chessin, D. & Shaw, J.M. Big Books, Little Books: Little Hands, Big Ideas. Dallas, Texas, NSTA National Conference. March 31, 2005.

Shaw, J. & Chessin, D. Young Children's Algebraic Thinking" How It Grows Up – and Out. New Orleans, Louisiana NCTM Regional Conference October 2004.

Shaw, J. & Chessin, D. Young Children's Algebraic Thinking" How It Grows Up – and Out. Philadelphia, Pennsylvania NCTM Regional Conference. April 24, 2004.

GRANTS AND CONTRACTS

Fall 2004. Awarded an Associates' and Partners' for \$1,000 to develop a "Science-Technology-Society" library.

Spring 2004. Awarded a Faculty Professional Development Grant for \$2,000 from the Office of the Provost.

Spring 2004. Awarded a Faculty Travel Award from The Office of Research and Sponsored Programs.

Fall 2002: Awarded a grant from the Croft Institute for International Studies for \$2,000. This grant will be used to fund two middle school teachers – one science and one social studies teacher – to travel with me to Costa Rica in January, 2003 to participate in a Field Based Learning Seminar.

Spring 2002: Awarded a grant from the GK12 (NSF) office at the University of Mississippi to provide GLOBE equipment to middle school and high school science teachers who I trained in the GLOBE program Fall 2001-Spring 2002.

SERVICE *(selected from over 50 activities)*

The University of Mississippi Who's Who Award Committee

The School of Education: Chair of the Tenure and Promotion Committee and Faculty Search Committees

School of Education NCATE committees: Secondary Mathematics, ACEI

GLOBE partner at The University of Mississippi, Mississippi Research Consortium

Science Fair Judge Oxford and Lafayette School Districts and Mississippi Regional Science Fair.

Appointed Chair of the Advisory Board for NSTA publication, *Science & Children*

Advisory Board for NSTA publication, *Science & Children*

HONORS AND AWARDS

May 2005 The School of Education Alumni Association "Researcher of the Year" award.

May 2005

Awarded the School of Education Alumni Association “Researcher of the Year” award.

May 2004

Named by at least one graduate in the May, 2004 class as one person at the University whose impact on them was significant. Division of Student Life.

September 2001

Invited to be listed as one of the One Thousand Great Americans. International Biographical Centre, Cambridge, England

July 2001

Invited to be listed as one of the 2000 Outstanding Intellectuals of the 21st Century. International Biographical Centre, Cambridge, England.

May 2001

Named by at least one graduate in the May, 2001 class as one person at the University whose impact on them was significant. Division of Student Life.

Spring 2000

Awarded the Outstanding Leadership Award from the Delta Rural Systemic Initiative (Delta RSI), a NSF-funded systemic initiative grant to improve science and mathematics education)

May 1998

Named by at least one graduate in the May, 1998 class as one person at the University whose impact on them was significant. Division of Student Life.

PROFESSIONAL MEMBERSHIPS

Sigma Xi

Kappa Delta Pi

Pi Delta Kappa

National Council of Teachers of Mathematics

National Science Teachers Association