

Lisa A. Pike

**1007 King Ave.
Florence S.C. 29501
Home (803) 665-7726
Work (803) 661-1411**

<http://alpha1.fmarion.edu/~lisapike/lisapike.html>

EDUCATION:

James Cook University of North Queensland, Australia
Coursework: Post-Graduate Diploma of Science in
Tropical Marine Ecology, no degree received.
Date: February – December, 1992.

University of North Carolina at Wilmington
Degree: Master of Science in Marine Biology
Date: August, 1991.

Binghamton University
Degree: Bachelor of Science in Biology
Date: May, 1989

CURRENT POSITION

Associate Professor of Biology

COURSES TAUGHT

Biology 103, 105, 106, 204, Environmental Science 201,
University Life 100. Honors 397, Bio 497 (independent
study)

ACADEMIC AWARDS

2004-5 FMU Excellence in Teaching Award
President's Undergraduate Research Award, 2003
Emerald Literati Award for Best Paper in 2003 Issue
Carolina Recycling Association spotlight Award, 2002

SERVICE / POSITIONS

Gender Studies Minor Ad Hoc Committee 2005-7
Staff Award Selection Committee 2005
Grade Appeals Committee 2004-7
Professional Development Committee 2005-7

Faculty Advisor, Ecology Club, FMU 1993-2002
 President, Pee Dee Natural History Society 1994-2002
 Chair, Nominating Committee, General Faculty 1998-2002
 Chair, Nominating Committee, CLA, 1999-2002
 Sustainable Universities Initiative Fellow, FMU 2000-2004
 Clemson Pee Dee REC Agroecology Board 2000-2005
 Science South Think Tank member 2002-4
 Education Chair, Pee Dee Group, Sierra Club 2000-2003
 Human Subjects Research Work Group 1999-2002
 Chair, Recycling Committee, FMU 1996-1998
 Sandhills Region IV Science Fair Judging Coordinator
 1995- 2000

GRANTS:

Improving Teacher Quality 3/1/04 - 2/28/08
 South Carolina Commission on Higher Education
 \$108,565 annual direct costs
 Middle School/Higher Education Partnerships in
 Science Education
 FMU IT Grant for classroom equipment 2003 (\$1,040)
 Eisenhower Grant for Math – Science Partnership, Summer
 2003 (\$8000)
 PT3 course development for Teachers / Multimedia
 Summer 2000 (\$1,500), Summer 2002 (\$1,500)
 DHEC Collegiate Recycling Grant Spring 2001 (\$8,000)
 SUI Grants (8 for \$34,450, 2000-2003)
 Rotary Foundation Scholarship to study abroad (1992)

PAST EMPLOYMENT

6/94 and 7/95	<u>Biology Instructor, UNCW</u> Duties: Teaching lecture and laboratory sections of general biology.
3/93 to 8/93	<u>Biology Instructor, Coastal Carolina Com. College</u> Duties: Teaching lecture and laboratory sections of general biology.
1/93 to 6/93	<u>Research Technician and Teaching Assistant, UNCW</u> Duties: Fish collections, ecological studies of trophic links in a nearby estuarine system, data analysis and presentation using S.A.S. and Macintosh graphics and Wordperfect.Sorting benthic invertebrates. Participation in artificial reef research. Teaching general biology, botany, ichthyology labs.

9/92 to 12/92 Lab Technician, JCUNQ
Duties: Histological preparation of fish samples

PROFESSIONAL SOCIETIES:

North American Association of Environmental Education
National Science Teachers Association
National Association of Biology Teachers
Environmental Education Association – South Carolina
Association of Southeastern Biologists
Tri Beta Biological Honor Society
Alpha Epsilon Lambda Graduate Honor Organization
Sierra Club

PUBLICATIONS:

Pike, L. and Hanson, L. 2007. Environmental Science and Communication: An Interdisciplinary Venue for Teaching. Science Education and Civic Engagement: an International Journal 1(2): 20-36

Barbeau, T. (coordinator), V. Bauer, J. Camper, D. Hildreth, P. King, T. Knowles, L. Pike, G. Pryor, T. Roop, D. Scarborough, T. Shannon. 2006. Human Biology Laboratory (Bio 104 L) Manual. McGraw-Hill Companies, Inc. Primus Custom Publishing, NY. 146 pp. (5th edition)

Pike, Lisa. 2005. Personal Response Systems and Student Learning (abstract). Bulletin of the South Carolina Academy of Science Volume 68:99.

Pike, Lisa and Hanson, Lynn. 2003. (In Press); Partnering to Teach Environmental Science and Communication: A Strategy that Gives Power to the People. North American Association of Environmental Education National Conference, Anchorage, Alaska, October 9-12, 2003, and accepted for conference proceedings.

Pike, L.A. and T. Shannon, K. Lawrimore, A. McGee, M. Taylor, and G. Lamoreaux. 2003. Science Education and Sustainability Initiatives: A Campus Recycling Case Study Shows the Importance of Opportunity. IJSHE 4(3): 218-229.

Pike, Lisa and Lynn Hanson. 2003. Raising students' environmental awareness in communications classes: the impact of interdisciplinary collaboration (abstract). Bulletin of the South Carolina Academy of Science Volume 65:108.

Hanson, Lynn and Lisa Pike. The mercury problem in South Carolina's freshwaters: a project funded by the Sustainable Universities Initiative. CD-ROM. Florence, South Carolina: Francis Marion University, 2003.

Pike, Lisa and William P. Fox. 2002. Stocking a Fish Pond: an Interdisciplinary Lively Applications Project. *The UMAP Journal* 23(2):135-148.

Pike, Lisa and William P. Fox. 2002. Survival of Early Americans: an Interdisciplinary Lively Applications Project. *The UMAP Journal* 23(2):149-162.

Pike, L.A. and T. Shannon, K. Lawrimore, A. McGee, M. Taylor, and G. Lamoreaux. 2002. Recycling Education and Opportunity: How it can Change a Waste Stream Audit for the Better (abstract). *Bulletin of the South Carolina Academy of Sciences*, Volume 63:84.

Pike, Lisa. 2001. *Campus Environmental Yearbook*, by Campus Ecology, National Wildlife Federation.
<http://www.nwf.org/campusecology/yearbook.cfm>

Pike, Lisa. 2001. FMU prepares for upcoming recycling program in The Patriot 6(6): 7. Francis Marion University, SC.

Pike, Lisa. 2000. Biology 106 Laboratory Study Guide. URL:
www.fmarion.edu/~Bio106l

Pike, Lisa and Julia Krebs. 1999-2005. *Biology 103L: Environmental Biology Laboratory*. McGraw-Hill Companies, Inc. Primus Custom Publishing, NY. 106 pp. (7th edition)

Knowles, Travis, J. Krebs, G. Long, L. Pike, Z. Rushing and L. Swails. 1999. *Biology 106L: Organismal Biology Laboratory*. McGraw Hill Companies, Inc. Primus Custom Publishing, NY. 220 pp.

Knowles, Travis, J. Camper, J. Krebs, L. McCumber, L. Pike, T. Roop, Z. Rushing, D. Stroup and L. Swails. 1999. *Biology 105L: Introduction to Cell and Molecular Biology Laboratory*. Custom Published, Department of Biology, Francis Marion University, Florence SC. 162 pp.

Pike, L. A. and D. G. Lindquist. 1994. Feeding habits of the spottail pinfish, *Diplodus holbrooki* (Pisces: Sparidae): a comparison between an innershelf natural and artificial reef, Onslow Bay, N.C. *Bull. Mar. Sci.* 55 (2-3): 363-374.

Lindquist, D. G., L. B. Cahoon, I. E. Clavijo, M. H. Posey, S. K. Bolden, L.A. Pike, S. W. Burk, and P. A. Cardullo. 1994. Reef fish stomach contents and prey abundance on reef and sand substrata associated with adjacent artificial and natural

reefs in Onslow Bay, N.C. Bull. Mar. Sci. 55(2-3): 308- 318. (also a poster presentation at Benthic meetings)

Pike, L. A. and D. G. Lindquist. 1991. Feeding Ecology and the role of algae in the diet of spottail pinfish: Do they really eat their vegetables? A.S.B. Bull . 38(2):96 (abstr).

PAPERS / SCHOLARLY ADDRESSES:

Pike, Lisa. 2005. Personal Response Systems and Student Learning Presented at the South Carolina Academy of Sciences meeting, March.

Pike, Lisa. 2004. E-Instruction Personal Response Systems. Presented for the General Faculty at an Instructional Technology Luncheon, April 2004.

Pike, Lisa. 2005. Improving Student Learning using Personal Response Systems in Large Lecture Classrooms: Quantitative evidence. Poster Session at the National Association of Biology Teachers Fall Convention, Milwaukee WI.

Pike, Lisa and Lynn Hanson, 2003. Partnering to Teach Environmental Science and Communication: A Strategy that Gives Power to the People. North American Association for Environmental Education, National Meeting, Anchorage AK, October 7-11, 2003 and SENCER, October 2003.

Pike, Lisa and Lynn Hanson. 2003. Raising students' environmental awareness in communications classes: the impact of interdisciplinary collaboration. Presented at the South Carolina Academy of Sciences,

March (also presented at the SENCER Summer Institute, by invitation, August 2004.

Integrating Learning and Social Responsibility Through Interdisciplinary Projects: Benefits and Risks in Retrospect. - Southern Regional Honors Conference, April 12, 2003.

Pike, L.A. and T. Shannon, K. Lawrimore, A. McGee, M. Taylor, and G. Lamoreaux. Recycling Education and Opportunity: How it can Change a Waste Stream Audit for the Better. 2001. South Carolina Academy of Sciences, March.

Pike, L.A. and T. Shannon, K. Lawrimore, A. McGee, M. Taylor, and G. Lamoreaux. 2003. Science Education and Sustainability Initiatives: A

Campus Recycling Case Study Shows the Importance of Opportunity. Tri Beta / Association of Southeastern Biologists, April 2002.

Pike, L and Knowles, T. Environment and Economics – a team taught course as an honors colloquium. Southern Regional Honors Conference, April, 2000.

PROFESSIONAL
DEVELOPMENT:

Attended and Presented at the National Association of Biology Teachers, 2005.
Attended the Ancient Cypress Conference, 2004.
Attended the SENCER Summer Institute, 2004.
Attended and Presented at North American Association of Environmental Education, 2003.
Environmental Education Association of South Carolina Meetings, Spring Meetings 1994–2002, 2004-6
Attended National Science Teachers Assoc. meeting, 2002.
Attended the U.N. World Summit on Sustainable Development, 2002.
Invited reader, Educational Testing Services AP Biology Reading, 2000 and 2002-3.
Web Development seminars: Ezedia Workshop; Dreamweaver Workshop, 2002.
Attended South Carolina Academy of Sciences meetings 1999-2005.
Attended Perspectives in Biology Meetings 1994-2005 (excluding 2003).

Participation in Honors Class Field Trips, 1998-2001 and 2003-4.
Institute for Solar Living: Sustainability Workshop, 2001.
Sustainable Universities Initiative “Green Building” Conference, 2001.
Greening the College Campus Workshop, 2001.
Chatauqua Course: GIS technology in Biology, 2001.
Faculty Forum on Instructional Technology: Blackboard software, 2001.
Writing Across the Curriculum Workshop, 1998.

CERTIFICATIONS:

PADI Advanced Open Water Diver, NITROX Diver
Red Cross First Aid and CPR
UNCW small boat, pontoon boat operator

REFERENCES:

Julia Krebs, FMU, 803-661-1402

Travis Knowles, FMU, 803-661-1408

Peter King, FMU, 803-661-1399

Ron Sizemore, UNCW, 910-962-2326

(more available on request)