

**Curriculum Vitae
Steven R. Untersee**

Massachusetts College of Art and Design, Boston, MA Fall 2007, Spring 2008

Adjunct faculty

Taught 2 sections of Biological Form and Function, a science requirement for art majors. Planned lectures and classroom activities to encourage critical thinking and discussion about topics in biology including genomics, evolution, and ecology.

Pine Manor College, Brookline, MA

Spring 2007, 2008

Adjunct faculty

Taught Biostatistics, a new course requirement for biology majors. Since this course was new to the college, responsibilities included creating all materials for the course. Students learned methods for data collection and experimental design, calculation and interpretation of descriptive statistics and graphs, probability, and the basics of hypothesis testing and statistical inference.

Tufts University, Medford, MA

1999-2007

Course administrator, Organisms and Populations with Lab

Administered the laboratory section of an introductory biology course (approximately 300 students). Normally coordinated by a professor, I was chosen to fill in for one semester. Responsibilities included coordination of all laboratory activities, management of academic, disciplinary, and scheduling problems, as well as training and oversight of 10 graduate student laboratory instructors and 22 undergraduate teaching assistants. Actively involved in development and implementation of three new laboratory units.

Teaching assistant, laboratory courses

Lectured and supervised experiments in laboratory sections. Guided students in the design and execution of experiments, data analysis and interpretation of results, and presentation of results in both written and oral formats.

- Cells and Organisms with Lab
- Organisms and Populations with Lab
- Experiments in Field Ecology

Teaching assistant, lecture courses

Graded exams and quizzes, assisted professor during lectures, helped students with class material, and lectured during professor's absence.

- Marine Biology
- Cell Biology
- Genetics
- Biology and the American Social Contract
- Cell Biology, Genetics, and Fundamentals of Biology

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Beacon High School, Brookline, MA

1988-1999

Head of Science Department

Created original curriculum for science courses in introductory biology, ecology, marine biology, environmental science, genetics, anatomy and physiology, health, chemistry, physics, science and society, and experimental design.

Participated in and led weekly teacher workshops on diverse educational issues, such as state content standards, portfolio assessment, and team-teaching techniques.

Additional work with students included individual tutoring for students with identified learning needs.

Germaine Lawrence School, Arlington, MA

1998

Science Education Consultant

Advised science teachers on locating resources, developing original curriculum in biological and physical sciences, assessing student work, and teaching to a range of learning styles.

United States Peace Corps, Mahalapye, Botswana, Africa

1986-1987

Science teacher

Taught science curriculum for grade levels equivalent to 7th-8th. Extracurricular interaction with students: Advised science club, chess club, and coached girls' volleyball.

RESEARCH AND PROFESSIONAL EXPERIENCE

Tufts University, Medford, MA

1999-2006

Research interests and work with undergraduates

Research interests focused on evolutionary ecology of marine invertebrates; specifically how differences in developmental modes of marine snails influence pollutant sensitivity.

Advised undergraduates in proper laboratory and experimental techniques, including planning and implementation of experiments, interpretation of results, and presentation of findings in written and oral form.

Massachusetts Audubon Society, Wenham, MA

2000

Research assistant

Conducted surveys of tide pool organisms for a long-term study of changes in community structure run by conservation scientist Robert Buchsbaum, Ph.D. Measured percent coverage of sessile organisms (algal and animal) and presence/absence data for mobile animals along transects in specific tide pools in locations around Cape Ann and Nahant.

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GRANTS

Tufts University Grants in Aid of Research	2003
Conchologists of America Educational Grant	2004

PUBLICATIONS

Untersee, S. and J.A. Pechenik. 2007. Local adaptation and maternal effects in two species of marine gastropod (genus *Crepidula*) that differ in dispersal potential. *Marine Ecology Progress Series* 347:79-85.

Pechenik, J.A., J. Hsieh, S. Owara, P. Wong, D. Marshall, **S. Untersee**, W. Li, 2001. Factors selecting for avoidance of drilled shells by the hermit crab *Pagurus longicarpus*. *Journal of Experimental Marine Biology and Ecology* 262: 75-89.

PROFESSIONAL PRESENTATIONS

Society of Environmental Toxicology and Chemistry/NAC Burlington, VT	2005
The 6th International Larval Biology Conference Hong Kong University of Science and Technology, Hong Kong	2004
The 32nd Annual Marine Benthic Ecology Meeting University of Connecticut, Groton, CT	2003

CERTIFICATIONS, LICENSES AND PROFESSIONAL ORGANIZATIONS

Massachusetts Department of Education Teaching license, General science, 9-12	1995-2010
Professional Association of Diving Instructors (PADI) Basic Open Water, Medic First Aid and CPR, Advanced Open Water Plus	1997-present