

MICHELLE GLEDHILL

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EDUCATION **Master of Science:** Mathematical Modeling, Environmental Systems
Humboldt State University, Arcata, CA. May 2011.
Thesis title: *Modeling effects of toxin exposure in fish on long-term population size, with an application to selenium toxicity in bluegill* (*Lepomis macrochirus*)
Advisor: Dr. Rob Van Kirk
Minor: Scientific Diving

Bachelor of Arts: Applied Mathematics
Humboldt State University, Arcata, CA. May 2008

ACADEMIC POSITIONS **Lecturer** 2011-present
Humboldt State University Department of Mathematics Arcata, CA
Courses taught:

- Introductory Biostatistics (STAT 109)
- Elementary Statistics (STAT 108)
- Elementary Statistics Integrated Support (STAT 8/108i)
- Calculus for Biological Sciences & Natural Resources (MATH 105)
- Algebra & Elementary Functions (MATH 102)

Teaching Associate 2008-2011
Humboldt State University Department of Mathematics Arcata, CA
Courses taught:

- Pre-Calculus (MATH 115)
- Intermediate Algebra (MATH 44)
- Contemporary Statistics Discussion section (MATH 103)

Tutor 2008-2011
Humboldt State University Department of Mathematics Arcata, CA

- Tutoring for STAT 106/108/109 (MATH 99)
- Tutored individuals in the Math Tutoring Lab in a diversity of subjects including Elementary and Intermediate Algebra, Pre-Calculus, Calculus, Statistics and Biometrics.

Instructor & Tutor Summers: 2009, 2011
TRiO Upward Bound Arcata, CA

- Courses taught: Pre-Calculus, Calculus, Elementary Algebra, Intermediate Algebra
- Prepared and delivered lectures, quizzes, homework, issued final course grades for High School students in a non-traditional setting.

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Mid-Semester Evaluator 2009-2011
Humboldt State University Arcata, CA
– Facilitate Small Group Instructional Diagnosis (SGID) campus-wide working closely with instructors and their students at mid-semester to improve teaching and learning.

PUBLICATION Gledhill, M., Van Kirk, R. W. 2011. *Modeling effects of toxin exposure in fish on long-term population size, with an application to selenium toxicity in bluegill (Lepomis macrochirus)*, **Ecological Modelling**, 222(19), 3587-3597.

PROFESSIONAL DEVELOPMENT **Connecting with Diverse Students and Making Excellence Inclusive** Arcata, CA 2011

Institute for Diversity in Learning & Teaching Arcata, CA

Rocky Mountain Mathematics Consortium Laramie, WY
Summer class on Conservation Laws and their Applications 2010

VOLUNTEER WORK **Reef Check California** Mendocino, CA, 2011
Conducted subtidal surveys according to the RCCA Monitoring protocol.

Girl Scouts Arcata, CA, 2009
Assisted with an activity for young girls to earn a badge in mathematics.

Redwood Empire Math Tournament Arcata, CA
Proctored and graded participant exams. 2007-2009

Expanding Your Horizons Arcata, CA, 2007
Assisted a hands-on workshop and science mall to encourage 7th – 9th grade girls in math and science.

COMPUTER SKILLS Matlab, Mathematica, Minitab, SPSS, R, L^AT_EX, TI graphing calculators, Apple software packages, Microsoft Office Suite, audio/video editing.

LANGUAGES Working knowledge of Spanish: Bilingual upbringing, studied Spanish in Spain.

PERSONAL INTERESTS Surfing, SCUBA diving (SCUBA instructor since 2015), spearfishing, mountain biking, road cycling, rock climbing, environmental conservation.