

Curriculum Vitae – Edward Bernard

Title: Lecturer/Laboratory Coordinator, Department of Molecular and Biomedical Sciences, University of Maine

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Education and Training

- 2003 - 2007: University of Maine, B.S. in Biology
- 2007 – 2012: University of Maine, Ph. D. in Biological Sciences
- 2006 – 2007: Undergraduate Research Assistant in Molecular Genetics
- 2007 – 2012: Graduate Research Assistant in Microbiology and Molecular Biology
- Fall 2012 – Fall 2013: Adjunct Instructor for Department of Molecular & Biomedical Sciences at University of Maine
- Fall 2013 – Spring 2014: Research Assistant at University of Maine
- Fall 2014 – Current: Lecturer/Laboratory Coordinator for Department of Molecular & Biomedical Sciences at University of Maine

Professional Experience

Teaching Experience

- BMB 240 – Microbiology for the Professional Nurse – 1 semester
- BMB 241 – Microbiology Laboratory for the Professional Nurse – 2 semesters
- BMB 300 – General Microbiology Lecture – 6 semesters
- BMB 305 – General Microbiology Laboratory – 4 semesters
- BMB 420 – Infectious Disease Lecture – 2 semesters
- BMB 598 – Special Topics in Microbiology – Applied Microbiology – 1 semester
- PSE 469 – Soil Microbiology Lecture/Lab – 1 semester

Teaching Evaluations (2014-2016) – (All ratings out of 5.00; Means)

Semester	Course	Number of Respondents	Overall Instructor Rating	Overall Course Rating	Overall Course Difficulty
Fall 2014	BMB 300	92	4.43	4.05	4.60
	BMB 305	22/13	4.32/4.92	4.23/4.5	4.32/4.33
Spring 2015	BMB 241	23/23	4.87/4.61	4.36/3.76	4.50/4.67
	BMB 420	21	4.81	4.48	4.76

Summer 2015	BMB 300	23	4.26	4.00	4.83
	BMB 598	7	4.71	4.43	4.29
Fall 2015	BMB 300	98	4.69	4.34	4.62
	BMB 305	23/23	4.87/4.87	4.77/4.70	3.95/4.26
Spring 2016	BMB 241	24/16	4.96/4.94	4.29/4.53	4.46/4.53
	BMB 420	37	4.84	4.68	4.41
Summer 2016	BMB 300	12	4.60	4.30	4.80

Professional Development

- Biology Teaching Graduate Seminar – Workshop: Inquiry-Based Laboratories: Allowing students to be scientists, even in large courses on tight budgets
- CETA Workshop: Innovation in the Classroom: Fostering Self-Directed Learning in a Research-Based Undergraduate Course
- STEM Development Workshop: Active Learning Strategies for Large Enrollment STEM Courses
- STEM Development Workshop: Using Peer Discussion to Promote Student Participation

Honors and Awards

- Maine Agriculture and Forestry Experiment Station (MAFES) Graduate Student Grant - \$2,250 (2010)
- Northeast Sustainable Agriculture Research Education (SARE) Graduate Student Grant - \$9,400(2010)
- Maine Economic Improvement Fund (MEIF) Fellowship – \$18,000 (2011)
- Fay Hyland-Hilborn Prize in Plant Biology/Plant Pathology - \$500

Presentations

- Speaker, Northeast Potato Technology Forum – March, 2008
- Speaker, Northeast Potato Technology Forum – March, 2009
- Poster Presentation, Graduate Student Government Research Expo – April, 2009
- Invited Speaker, University of Maine Biology Club – March, 2010
- Speaker, Northeast Potato Technology Forum – March, 2012

Publications and Synergistic Activities

Edward Bernard, Robert P. Larkin, Stellos Tavantzis, M. Susan Erich, Andrei Alyokhin, Gary Sewell, Andrew Lannan, and Serena D. Gross. 2012. Compost, Rapeseed Rotation, and Biocontrol Agents Significantly Impact Soil Microbial Communities in Organic and Conventional Potato Production Systems. *Applied Soil Ecology*. 52: 29-41.

Edward Bernard, Robert P. Larkin, Stellos Tavantzis, M. Susan Erich, Andrei Alyokhin, and

Serena D. Gross. 2013. Rapeseed Rotation, Compost and Biocontrol Amendments Reduce Soilborne Diseases and Increase Tuber Yield in Organic and Conventional Potato Production Systems. Plant & Soil. DOI 10.1007/s11104-013-1909-4