

Curriculum Vitae

University of California, Santa Cruz

Deborah Letourneau

Professor of Environmental Studies

University of California, Santa Cruz

RESEARCH INTERESTS

Trophic cascades; Ecosystem services; Community dynamics in tropical forest, redwood forest, and cropping systems; Vegetation management for biological control of insect pests; Landscape effects on biodiversity in annual crops; Multi-trophic interactions

TEACHING INTERESTS

Field Biology, Entomology, Insect Ecology, Agroecology, Integrated Pest Management, Tropical Ecology

EMPLOYMENT HISTORY

1996 - Present Professor, Department of Environmental Studies, University of California, Santa Cruz
1990 - 1996 Associate Professor, Department of Environmental Studies, University of California, Santa Cruz
1986 - 1991 Resource Faculty, Fundamentals of Tropical Biological and Agroecology Graduate Field Courses in Costa Rica, Duke University
1984 - 1990 Assistant Professor, Department of Environmental Studies, University of California, Santa Cruz
1984 Co-coordinator, Fundamentals in Tropical Biology Graduate Field Course in Costa Rica, Duke University
1982 - 1984 Lecturer, Department of Environmental Studies, University of California, Santa Cruz
1978 - 1982 Teaching Assistant and Teaching Associate, Department of Entomological Sciences, University of California, Berkeley
1978 - 1982 Teaching Assistant and Teaching Associate, Department of Biology, University of California, Berkeley
1977 - 1978 Research Assistant, Plant Protection Phytochemistry Unit, U.S. Department of Agriculture
1977 Laboratory and Field Assistant, Division of Biological Control, University of California, Berkeley

EDUCATION

- 1983 Ph.D., Entomology, University of California, Berkeley, 1977 - 1983
1977 M.S., Biology, Rackham School of Graduate Studies, University of Michigan, 1976 - 1977
1976 B.S., Zoology, University of Michigan, 1972 - 1976

HONORS AND AWARDS

- 2012 - 2013 **Martin M. Chemers Award** : Outstanding Research in the Division of Social Sciences
2008 - 2009 **Fulbright Award**: Fulbright Senior Scholar Research-Teaching Fellow, Universidad del Valle, Cali, Colombia
2003 - 2005 **Mentorship Award**: UC President's Postdoctoral Fellowship Program
2004 - 2005 **Academic Senate Committee on Research - SRG**: Interdisciplinary Research Award
2001 **Fulbright Award**: Fulbright-Hays Senior Research and Teaching Fellowship, Sweden (awarded, but DKL declined)
2000 - 2001 **Academic Senate Committee on Research - SRG**: Special Research Award
2000 **Leadership Award**: Selected as community leader to participate in Focus Agriculture, Class XI, Santa Cruz County, CA
1991 **Featured Scientist**: *Discover* Magazine, "Women in Science" Issue
1990 - 1991 **Fulbright Award**: Senior Scholar Fellowship, Sub-Saharan Regional Research
1989 - 1990 **Pre-Tenure Award**: University of California, Santa Cruz
1982 - 1983 **Fellowship**: American Association of University Women Predoctoral American Fellowship, California
1980 - 1981 **Fulbright Award**: International Educational Exchange Fellowship, Mexico
1972 **Scholarship**: Michigan Competitive Scholarship Award
1972 - 1973 **Scholarship**: University of Michigan, Alumni Scholarship

GRANTS

- 2016 - 2019 Co-Principal Investigator, USDA NIFA Undergraduate Experiential Learning Fellowships Program, with Stacy Philpott (PI) and other ENVS faculty \$300,000
2013 - 2014 Principal Investigator, COR Senate Faculty Grant: Exotic Plants and Arthropod Biodiversity in Redwood Forests \$1,500
2013 - 2018 Co-Principal Investigator, **United States Department of Agriculture**-Higher Education Challenge grant. Title: An Institutional Partnership Model for Sustainable Agriculture Curriculum Development and Recruitment of Underrepresented Students in California, with S. Philpott, D. Press and C. Shennan \$725,000
2012 - 2014 Principal Investigator, **Save the Redwoods League** research grant, Redwood Understory Biodiversity: Arthropod Food Webs and Invasive Plants \$14,780
2013 - 2016 Co-Principal Investigator, **California Department of Pesticide Regulation** Pest Management Research Grants Program, Integrated management strategies for insect pests and diseases in cole crops, with Carol Shennan and Joji Muramoto \$399,304
2011 - 2012 Principal Investigator, University of California, Santa Cruz (UCSC) Senate Committee on Research (COR) Individual Faculty Research grant, Do landscape-level vegetation features drive the diversity of beneficial insects on organic farms? \$1,500
2011 - 2012 Principal Investigator, UCSC Committee on Research (COR) Faculty Research grant \$1,500
2009 - 2010 Principal Investigator, Entomological Society Symposium Award, Light Brown Apple Moth: Invasion Biology, Scientific Credibility, and Public Policy \$1,500
2005 - 2010 Principal Investigator, **USDA-National Research Initiative, Integrated Grants Program**, Perennial Habitat for Conservation Biological Control in Annual Cropping

- Systems - A Study at Two Spatial Scales (with co-PI C. Shennan) \$389,000
- 2007 - 2008 Principal Investigator, UCSC COR Individual Faculty Research Grant, Effects of Selective Logging on Redwood Forest Biodiversity \$1,500
- 2003 - 2007 Principal Investigator, **USDA Biotechnology Risk Assessment Grant**, Potential Invasiveness of Wild Relatives of Insect Resistant Crops \$335,000
- 2006 - 2007 Principal Investigator, UCSC COR Individual Faculty Research Grant, Perennial Vegetation for Habitat Improvement for Natural Enemies on Organic Farms \$1,500
- 2004 - 2005 Co-Principal Investigator, UCSC COR Special Faculty Research Grant, Mobilizing Science: Ecological Risk and Public Policy - The Case of Genetically Engineered Organisms (with S. R. Rajan and D. T. Kelso) \$16,347
- 2002 - 2004 Principal Investigator, Redwood Ecology Senior Seminar, UCSC Committee on Teaching (COT) Course Improvement Award \$2,000
- 2001 - 2004 Principal Investigator, **The Land Institute**, Salina, Kansas, A Natural Systems Framework for Sustainable Orchard Production (with graduate student J. R. Serrine) \$12,000
- 2002 - 2003 Principal Investigator, UCSC COR Individual Faculty Research Grant, Bottom-up Effects on Plant and Animal Diversity in a Redwood Forest Community \$1,000
- 1999 - 2002 Co-Principal Investigator, **National Science Foundation (NSF) Division of Environmental Biology, Ecology Program Grant**, Plant Secondary Metabolites as Mediators of Top-Down and Bottom-Up Forces in a Tropical Forest Community (with L. Dyer, C. Dodson, and J. Richards) \$172,000
- 2000 - 2001 Principal Investigator, UCSC COR Special Faculty Research Grant, Preliminary Field and Laboratory Evaluations of Fitness Effects in Weeds due to a Possible Transgene Transfer from Bt Broccoli \$5,000
- 2000 - 2001 Principal Investigator, UCSC Social Sciences Divisional Research Grant, Trophic Cascades in Redwood Forest Gaps \$5,660
- 1999 - 2000 Principal Investigator, UCSC Center for Agriculture and Sustainable Food Systems (CASFS) (with Environmental Studies and CASFS staff and faculty working group) \$24,890
- 1999 - 2000 Principal Investigator, UCSC Social Sciences Divisional Research Grant, Trophic Cascades and Diversity in Tropical Rain Forest \$3,600
- 1999 - 2000 Co-Principal Investigator, UCSC CASFS Collaborative Research Program, Investigating Vegetative Buffers for Farmscaping Optimizing Pesticide Use Reduction, Erosion Control, and Non-Point Source Pollution Reduction in Agricultural Systems within the Monterey Bay Region (with F. Rein, S. L. Swezey, P. Goldman, and D. Mountjoy) \$5,000
- 1999 - 2000 Co-Principal Investigator, UCSC CASFS Collaborative Research Program, Integrative Practices for Soil and Plant Health through Crop Cover Management Integrative Practices for Soil and Plant Health through Crop Cover Management in Central Coast Vegetable Production (with W. Cheng, E. Ellis, G. Gilbert, J. Leap, M. Loik and J. Mitchell) \$18,980
- 1998 - 1999 Principal Investigator, UCSC COR Faculty Research Grant, Transgenic Crops, Gene Escape, and Sustainable Agriculture \$929
- 1998 - 1999 Principal Investigator, UCSC Social Sciences Divisional Research Grant, Top-Down and Bottom-up Effects on Rainforest Diversity \$3,630
- 1994 - 1998 Co-Principal Investigator, **National Oceanic and Atmospheric Administration (NOAA) Sustainable Resource Conservation Grant** (with M. Werner, M. Buchanan, and S. Gliessman) \$117,914
- 1997 - 1998 Principal Investigator, UCSC Social Sciences Divisional Research Grant, Energetic and Ecological Trade-offs \$756
- 1994 - 1998 Principal Investigator, **NSF Division of Environmental Biology, Ecology Program**, Trophic Cascades in a Species-rich, Terrestrial System \$231,442
- 1997 Principal Investigator, **Mellon Foundation**, International Symposium Award \$12,000

1997 Principal Investigator, University Research Expeditions Program Grant, Tropical Forest Communities \$10,800

1996 - 1997 Principal Investigator, UCSC Committee on Research, Breaking the Code in an Ant-Plant Mutualism \$946

1996 - 1997 Principal Investigator, UCSC Social Science Division Research Grant, Demographic effects of bacterial endotoxin genes on wild crop relatives \$4,000

1996 Principal Investigator, Elizabeth Hall Blakey Travel Grant \$1,000

1996 Principal Investigator, Entomological Society of American Annual Meeting Symposium Grant \$1,400

1994 - 1995 UCSC Social Sciences Divisional Research Grant, Landscape Heterogeneity and Biological Control \$4,600

1994 NSF, Research Experience for Undergraduates: Multi-trophic Interactions \$10,000

1994 UCSC Social Sciences Research Incentive Grant, Trophic Cascades \$2,500

1994 US-AID Cooperative Program on Science and Technology Exchange, program disbanded \$149,612

1993 - 1994 UCSC Social Sciences Divisional Research Grant, The Role of Biodiversity in Insect Pest Regulation \$2,600

1993 - 1994 UCSC Faculty Research Grant, A Test of Trophic Cascades Theory in a Tropical Rain Forest \$1,000

1993 - 1994 UC Pacific Rim Research Program, Ant-plants and Reforestation in Papua New Guinea With P. Siaguru and K. Fischer \$13,500

1990 - 1993 Co-Principal Investigator, **USDA, Low-Input Sustainable Agriculture Competitive Grant** (with L. Drinkwater, C. Shennan and A. van Bruggen) \$294,000

1992 - 1994 NSF, Ecology Program Research Experience for Undergraduates With L. Fox \$10,000

1992 - 1993 UCSC Social Sciences Matching Funds, Endospermum Ant-Plants \$1,800

1992 - 1993 Committee on Teaching, Instructional Improvement Grant Declined \$3,500

1992 Christensen Research Grant, Endospermum Ant-Plants \$1,800

1991 - 1994 Co-Principal Investigator, **NSF Division of Environmental Biology, Ecology Program** (with L. R. Fox and W. Getz) \$211,000

1991 - 1992 UCSC Social Sciences Seed Grant, Integrated Pest Management \$1,000

1991 - 1992 UCSC Faculty Research Grant, Perennialization of Annual Cropping Systems for Biological Control \$1,000

1990 - 1991 US-AID, Low-Input Pest Control Methods in Malawian Subsistence Agriculture \$22,000

1990 - 1991 UCSC Social Sciences, Individual Faculty Research Grant \$1,800

1990 - 1991 UCSC Social Sciences Focused Research Activity Award, With faculty group on Sustainable Agriculture \$5,000

1990 - 1991 UCSC Faculty Research Grant, Agroecology in Africa and Latin America \$1,100

1990 - 1991 Rockefeller Foundation Grant, For Sustainable Development \$16,025

1990 University Research Expeditions, Program Grant With R. O'Malley \$10,010

1989 - 1990 UCSC Academic Senate, Faculty Research Award \$2,500

1989 - 1990 Principal Investigator, NSF, Ecology Program Grant With L.R. Fox - declined due to commitments on other grants \$65,060

1988 - 1990 USDA, Low Input Sustainable Agriculture Competitive Grant With L. Drinkwater, P. Leveen, C. Shennan and A. van Bruggen. \$219,500

1987 - 1988 UC Systemwide, Seed Monies Grant With L.R. Fox \$17,950

1987 - 1988 UC Pacific Rim Research Exchange

1987 - 1988 Pacific Rim, Research Grant

1985 - 1987 Co-Principal Investigator, **USDA, Competitive Research Grant** (with L. R. Fox) \$90,000
 1986 - 1987 University Research Expeditions Program
 1986 - 1987 UCSC Social Science, Divisional Research Grant
 1986 - 1987 UCSC Academic Senate, Faculty Research Grant
 1985 - 1986 UCSC Academic Senate, Faculty Research Grant
 1984 - 1987 Grant-in-Aid, For Research from Aptos Berry Producers
 1984 - 1985 UCSC Social Science, Divisional Research Grant
 1984 - 1985 UCSC Academic Senate, Faculty Research Grant
 1984 University Research Expeditions Program, Research Grant
 1984 California Appropriate Technology, Research Grant
 1982 - 1983 National Science Foundation, Doctoral Dissertation Improvement Grant, California
 1982 University of California, Berkeley, Graduate Division Grant for Statistical Consultation
 1982 University of California, Berkeley, Graduate Division Doctoral Dissertation Support Grant
 1980 - 1981 Organization of American States, Research Grant Mexico
 1979 UC Berkeley, Graduate Division Grant
 1979 Sigma Xi, Student Research Grant
 1979 Organization for Tropical Studies, Research Initiation Grant Costa Rica
 1979 NSF, Research Initiation Grant 1979 : .
 1978 - 1980 Research and Travel Grants, Mexico and Costa Rica, respectively
 1978 University of California, Berkeley Graduate Division Study Grant
 1977 University of California, Berkeley, Department of Entomological Sciences Partial Tuition Waiver

PUBLICATIONS AND SCHOLARLY WORK

90 **Under Revision:** Letourneau, D.K. and M. Fitzsimmons. Approaches in plant protection – science, technology, environment and society. Chapter 1, IN Coll, M. and E. Wajnberg, Editors. Pest management within the environment: challenges for agronomists, ecologists, economists and policy makers PEER REVIEWED, INVITED **New**

85 2015 Letourneau, D. K., A. Ando, J. Jedlicka, and A. Narwani. 2015. Simple-but-sound methods for estimating the value of changes in biodiversity for biological pest control in agriculture. Ecological Economics 120: 215-225. PEER REVIEWED **Reviewed, Forwarded, Revised**

89 2015 Macfadyen, Sarina, Jason M. Tylianakis, Deborah K. Letourneau, Tim G. Benton, Pablo Tittonell, Michael Perring, Carla Gómez-Creutzberg, Andrés Báldi, John M. Holland, Linda Broadhurst, Kimiko Okabe, Anna R. Renwick, Barbara Gemmill-Herren, Henrik G. Smith. Turning threats into opportunities: Improving resilience in global food supply. Global Food Security 7:1-8. PEER REVIEWED **New**

88 2015 Letourneau, D.K., S.G. Bothwell Allen, R.R. Kula, M.J. Sharkey, and J.O. Stireman, III. Habitat Eradication and Cropland Intensification May Reduce Parasitoid Diversity and Natural Pest Control Services in Annual Crop Fields. Elementa: Science of the Anthropocene Sustainable Transitions Domain. DOI 10.12952/journal.elementa.000069 PEER REVIEWED, INVITED **New**

86 2014 Jedlicka, J. A., D. K. Letourneau and T. M. Cornelisse. 2014. Establishing songbird nest boxes increased avian insectivores and reduced herbivorous arthropods in a California vineyard, USA. Conservation Evidence, Vol. 11, 34-38. PEER REVIEWED **Reviewed, Forwarded**

- 84 2013 Cornelisse, T. M., M. C. Vasey, K. D. Holl and D. K. Letourneau. Artificial bare patches increase habitat for the endangered Ohlone tiger beetle (*Cicindela ohlone*). *Journal of Insect Conservation*, DOI 10.1007/s10841-012-9482-3 PEER REVIEWED **Reviewed, Forwarded, New**
- 83 2013 Cornelisse, T., M. Bennett, D. K. Letourneau. The implications of habitat management on the population viability of the endangered Ohlone tiger beetle (*Cicindela ohlone*) metapopulation. *PlosONE* <http://dx.plos.org/10.1371/journal.pone.0071005> PEER REVIEWED **Reviewed, Forwarded, New**
- 87 **In Progress:** Shennan, C., L. Jackson, D. K. Letourneau, et al. Sustainable Agriculture in the 22nd century. *Issues in Ecology*, Ecological Society of America. INVITED **Reviewed**
- 80 2013 Pisani-Gareau, T.L., D.K. Letourneau and C. Shennan. Relative densities of natural enemies and insect pests on California perennial hedgerows. *Environmental Entomology* 42(4):688-702. PEER REVIEWED **Reviewed, Forwarded, New**
- 82 2013 Dyer, L. and D. Letourneau. Can Climate Change Trigger Massive Diversity Cascades in Terrestrial Ecosystems? *Diversity* 5, 479-504, DOI 10.3390/d5030479. PEER REVIEWED **Reviewed, Forwarded, New**
- 81 2012 Rajan, S.R. and D.K. Letourneau. What risk assessments of genetically modified organisms can learn from institutional analysis of public health risks. *Journal of Biomedicine and Biotechnology*, Volume 2012, Article ID 203093, 8 pages, doi: 10.1155/2012/203093. PEER REVIEWED **Reviewed, Forwarded, New**
- 77 2012 Letourneau, D. K. Integrated pest management: outbreaks prevented, delayed or facilitated? Ch 17 IN P. Barbosa, D.K. Letourneau, A. Agrawal (Eds.) *Insect Outbreaks Revisited*. John Wiley and Sons, New York, NY. PEER REVIEWED, INVITED **Reviewed**
- 79 2012 Letourneau, D.K., S.G. Bothwell Allen, J. O. Stireman III. Perennial Habitat Fragments, Parasitoid Diversity and Parasitism in Ephemeral Crops. *Journal of Applied Ecology* 49(6):1405-1416. PEER REVIEWED **Reviewed, Forwarded, New**
- 78 2012 Barbosa, P., D. K. Letourneau, and A. Agrawal (Eds.). *Insect Outbreaks Revisited*. 400+ pp. John Wiley and Sons, New York, NY. PEER REVIEWED, JURIED **Reviewed**
- 75 2012 Letourneau, D. K. and J. A. Hagen. Plant fitness assessment for wild relatives of insect resistant Bt-crops. *Journal of Botany*. Vol 2012, Article ID 389247, 12 pp. PEER REVIEWED **Reviewed**
- 74 2011 Jedlicka, J. A., R. Greenberg, D. K. Letourneau. Avian conservation practices strengthen ecosystem services in California vineyards. *PlosONE* 6(11):e27347. PEER REVIEWED **Reviewed**
- 73 2011 Letourneau, D. K., I. Armbrrecht, B. Salguero Rivera, J. Montoya Lerma, E. Jimenez Carmona, M. Constanza Daza, S. Escobar, V. Galindo, C. Gutierrez, S. Duque Lopez, J. Lopez Mejía, A. Acosta Rangel, J. Herrera Rangel, L. Rivera, C. Saavedra, A. Torres and A. Reyes Trujillo. Does plant diversity benefit agroecosystems? A synthetic review. *Ecological Applications* 21:9-21. PEER REVIEWED **Reviewed**
- 72 2010 Dyer, L. A., D. K. Letourneau, G. Vega C., and D. S. Amoretti. Herbivores on a dominant understory shrub increase local plant diversity in rain forest communities. *Ecology* 91:3707-3718. PEER REVIEWED **Reviewed**
- 71 2010 Blair, B. C., D. K. Letourneau, S. G. Bothwell and G. Hayes. Resources, disturbance, and exotic plant invasion: gap size effects in a redwood forest. *Madroño* 57:11-19. PEER REVIEWED **Reviewed**
- 2010 Letourneau, D.K. Interview for "All Aflutter" on Monarch butterflies and the

- pheromone-based control program for the Light Brown Apple moth (LBAM). Primer 2010: Santa Cruz - below the surface. A City on a Hill Press Publication Vol. 45, Issue 1. INVITED
- 70 2009 Letourneau, D.K. and J.A. Hagen. 2009. Plant fitness assessments for wild relatives of insect resistant crops. *Environmental Biosafety Research* 8:45-55. PEER REVIEWED **Reviewed**
- 69 2009 Letourneau, D. K., J. A. Jedlicka, S. G. Bothwell, C. R. Moreno. Effects of natural enemy biodiversity on the suppression of arthropod herbivores in terrestrial ecosystems. *Annual Review of Ecology, Evolution and Systematics* 40:573-592. PEER REVIEWED, INVITED **Reviewed**
- 67 2008 Serrine, J. R., D. K. Letourneau, C. Shennan, D. Serrine, L. Jackson, A. Mages, R. Fouch. Impacts of groundcover management systems on tart cherry yield, leaf nutrients, weed growth, and insect communities. *Agriculture, Ecosystems and Environment* 125:239-245. PEER REVIEWED **Reviewed**
- 68 2008 Letourneau, D. K. Agriculture: Pests and Pest Control, pp. 25-28. J. Middleton, Editor-in-Chief, Vol. 1, *New Encyclopedia of Africa*, Charles Scribner's Sons, Detroit, MI. INVITED **Reviewed**
- 66 2008 Letourneau, D. K. and S. G. Bothwell. Comparison of organic and conventional farms: challenging ecologists to make biodiversity functional. *Frontiers in Ecology and the Environment* 6:430-438. PEER REVIEWED, INVITED **Reviewed**
- 65 2007 Dyer, L.A. and D.K. Letourneau. Determinants of lichen diversity in a rain forest understory. *Biotropica* 39(4):525-529. PEER REVIEWED **Reviewed**
- 64 2006 Letourneau, D. K., A. H. G. van Bruggen, Crop Protection in Organic Agriculture IN A. Taji and P. Kristianesen (Eds.) *Organic Agriculture – A Global Perspective*, CSIRO, Australia PEER REVIEWED, INVITED **Reviewed**
- 59 2004 Letourneau, D.K., L.A. Dyer, and G. Vega C. Indirect effects of a top predator on a rain forest understory plant community. *Ecology* 85(8):2144-2152. PEER REVIEWED **Reviewed**
- 58 2004 Dyer, L.A., C.D. Dobson, J. Stireman III, M.A. Tobler, A.M. Smilanich, R.M. Fincher and D.K. Letourneau. Synergistic effects of three *Piper* amides on generalist and specialist herbivores. *J. Chemical Ecology* 29:2499-2514 PEER REVIEWED **Reviewed**
- 61 2004 Letourneau, D. K., Mutualism, anti-herbivore defense, and trophic cascades: *Piper* ant-plants as a mesocosm for experimentation, Ch. 2 IN L.A. Dyer and A. Palmer (Eds.) *Piper: A Model Genus for the Studies of Phytochemistry, Ecology and Evolution*, Kluwer/Plenum Academic Publishing, New York, NY PEER REVIEWED, INVITED **Reviewed**
- 60 2004 Letourneau, D. K. and L. A. Dyer, Multi-trophic interactions and biodiversity: beetles, ants, caterpillars and plants Ch. 12 IN D. Burslem, M. Pinard, and S. Hartley (Eds.) *Biotic Interactions in the Tropics*, Cambridge University Press, New York, NY PEER REVIEWED, INVITED **Reviewed**
- 63 2004 Letourneau, D. K. New Dimensions in Agroecology: A Review. Pre-publication book review for CRC Press, Boca Raton, FL. **Reviewed**
- 57 2004 Dyer, L. A., D. K. Letourneau, C. D. Dodson, M. A. Tobler, J. O. Stireman, and A. Hsu. 2004. Ecological causes and consequences of variation in defensive chemistry of a neotropical shrub. *Ecology* 85:2795-2803 PEER REVIEWED **Reviewed**
- 62 2004 Letourneau, D. K. Book review for *Journal of Environmental Biosafety Research* 3(4): 233-235 on *Environmental Risk Assessment of Genetically Modified Organisms, Volume 1: A Case Study of Bt Maize in Kenya* edited by A. Hilbeck and D. A. Andow INVITED **Reviewed**

- 56 2003 Letourneau, D.K., G.S. Robinson, and J.A. Hagen. Bt-crops: predicting effects of escaped transgenes on the fitness of wild plants and their herbivores. *Environmental Biosafety Research* 2:219-246 PEER REVIEWED **Reviewed**
- 55 2003 Dyer, L.A. and D.K. Letourneau. Top-down and bottom-up diversity cascades in detrital vs. living food webs. *Ecology Letters* 6:60-68 PEER REVIEWED **Reviewed**
- 2003 Letourneau, D.K. Interview: "Organic Farms Hold Their Own Against Pests", *Environmental Review* 9:8-14 INVITED
- 2003 Dyer, L.A., Letourneau, D.K., C. Dodson, and J. Richards. Report on findings from NSF Ecology Program, "Plant secondary metabolites as mediators of top-down and bottom-up forces in a tropical forest community" 11 pp
- 54 2002 Letourneau, D.K. and B. E. Burrows (Eds.). ***Genetically Engineered Organisms: Assessing Environmental and Human Health Effects***. CRC Press, Boca Raton, FL. PEER REVIEWED **Reviewed**
- 53 2002 Letourneau, D.K., J.A. Hagen, and G.S. Robinson, Bt-crops: Evaluating benefits under cultivations and risks from escaped transgenes in the wild IN D. K. Letourneau and B.E. Burrows (Eds.) *Genetically Engineered Organisms: Assessing Environmental and Human Health* PEER REVIEWED, INVITED **Reviewed**
- 52 2002 Gould, F.L., Andow, D.A., Blossey, B., Chapela, I., Ellstrand, N., Jordan, N., Lamkey, K.R., Larkins, B.A., Letourneau, D.K., McHughen, A., Phillips, R.L., and Thompson, P.B. *Environmental Effects of Transgenic Plants: The Scope and Adequacy of Regulation*. 342 pp. National Academy Board on Agriculture and Natural Resources -- National Research Council Committee on Environmental Impacts Associated with Commercialization of Transgenic Plants. National Academy of Sciences Press, Washington, D.C. PEER REVIEWED, INVITED **Reviewed**
- 50 2001 Dyer, L.A., C. Dodson, J. Beihoffer, and D.K. Letourneau. Trade-offs in antiherbivore defenses in *Piper cenocladum*: Ant mutualists versus plant secondary metabolites. *Journal of Chemical Ecology* 27:581-592 PEER REVIEWED **Reviewed**
- 49 2001 Letourneau, D.K. Pest damage and community structure in organic vs. conventional tomato production in California. *Journal of Applied Ecology* 38:557-570 PEER REVIEWED **Reviewed**
- 51 2001 Letourneau, D. K. Regulatory Decision-Making for Genetically Engineered Crops: a book review, *Ecology* 82:1500-1501 **Reviewed**
- 48 2000 Dodson, C., L.A. Dyer, and D.K. Letourneau. Cenocladamide: A dihydropyridone alkaloid from *Piper cenocladum*. *Phytochemistry* 53(1):51-54 PEER REVIEWED **Reviewed**
- 2000 Letourneau, D.K. Habitat management for biological control: Lessons from conservation biology. *Phytoparasitica* 28:193-4
- 2000 Letourneau, D.K. Potential ecological effects of Bt transgenes in wild plants, *Ecological Society of America Annual Meeting Abstracts* 85: 59
- 47 1999 Letourneau, D. K. and D. A. Andow (Eds.). ***Natural Enemy Food Webs***. Ecological Applications 9(2):363-415. INVITED, JURIED **Reviewed**
- 46 1999 Dyer, L.A., D.K. Letourneau, W. Williams, and C. Dodson. A commensalism between *Piper marginatum* Jacq. (Piperaceae) and a coccinellid beetle. *Journal of Tropical Ecology* 15:841-846 PEER REVIEWED **Reviewed**
- 45 1999 Dyer, L.A. and D.K. Letourneau. Trophic cascades in a complex, terrestrial community. *Proceedings of the National Academy of Sciences* 96:5072-5076 PEER REVIEWED **Reviewed**

- 44 1999 Dyer, L.A. and D.K. Letourneau. Relative strengths of top-down and bottom-up forces in a tropical forest community. *Oecologia* 119:265-274 PEER REVIEWED **Reviewed**
- 43 1999 Letourneau, D.K. and P. Barbosa. Ants, stem-borers, and pubescence in *Endospermum* in Papua New Guinea. *Biotropica* 31(2):295-302 PEER REVIEWED **Reviewed**
- 42 1999 Letourneau, D. K. and D. A. Andow. Introduction, natural enemy food webs. *Ecological Applications* 9(2):363-365. PEER REVIEWED, INVITED **Reviewed**
- 37 1998 Letourneau, D.K. and L.A. Dyer. Experimental test in lowland tropical forest shows top-down effects through four trophic levels. *Ecology* 79(5):1678-1687 PEER REVIEWED **Reviewed**
- 36 1998 Letourneau, D.K. and L.A. Dyer. Density patterns of *Piper* ant-plants and associated arthropods: Top-predator trophic cascades in a terrestrial system? *Biotropica* 30(2):162-169 PEER REVIEWED **Reviewed**
- 41 1998 Nowierski, R. M., C. B. Huffaker, D. L. Dahlsten, D. K. Letourneau, D. H. Janzen, and G. G. Kennedy, The influence of insects on plant populations and communities IN R. Gutierrez (Ed.) *Ecological Entomology*, John Wiley and Sons, Hoboken, NJ PEER REVIEWED, INVITED **Reviewed**
- 40 1998 Letourneau, D. K. and M. A. Altieri, Environmental management to enhance biological control in agroecosystems IN T. W. Fisher, T. S. Bellows, L. E. Caltagirone, D. Dahlsten, C. Huffaker, and G. Gordh. (Eds.) *Principles and Applications of Biological Control*, Academic Press, Salt Lake City, UT PEER REVIEWED, INVITED **Reviewed**
- 39 1998 Letourneau, D. K. Conservation biology: Lessons for conserving natural enemies 9-37 IN P. Barbosa (Ed.) *Conservation Biology*, Academic Press, Salt Lake City, UT PEER REVIEWED, INVITED **Reviewed**
- 38 1998 Ingham, E.R., C. Istock, A.R. Kapucinski, T. Klinger, D.K. Letourneau, P. Regal, S. Akabas, P. Bhargava, N. Ellstrand, A. Spielman, and M. Wheelis (Scientists Working Group on Biosafety). *A Manual for Assessing Ecological and Human Health Effects of Genetically Engineered Organisms*. 245 pp. The Edmonds Institute, Seattle, WA, USA. PEER REVIEWED, INVITED **Reviewed**
- 33 1997 Letourneau, D.K. Ants, stem-borers and fungal pathogens: Experimental tests of a fitness advantage in *Piper* ant-plants. *Ecology* 79(2):593-603 PEER REVIEWED **Reviewed**
- 32 1997 Letourneau, D.K. and P. Siaguru. *Endospermum labios* Schodde. *Auxiliary Plants in Agriculture and Forestry* Vol. 11 PEER REVIEWED **Reviewed**
- 35 1997 Letourneau, D. K. and P. Siaguru. *Endospermum labios* Schodde. IN I.Faridah Hanum and L.J.G Van der Maesen (Eds.). *Plant Resources in South East Asia, Auxiliary Plants in Agriculture and Forestry*, Vol. 11 PEER REVIEWED, INVITED
- 34 1997 Letourneau, D.K. Pests and Pest Control. pp. 396-398, IN Volume 3, J. Middleton (Editor-In-Chief), *Encyclopedia of Sub-Saharan Africa*, Charles Scribner, New York, NY. INVITED **Reviewed**
- 31 1996 Letourneau, D.K., L.E. Drinkwater, and C. Shennan. Effects of soil management on crop nitrogen and insect damage in organic vs. conventional tomato fields. *Agriculture, Ecosystems and Environment* 57:179-187 PEER REVIEWED **Reviewed**
- 30 1996 Fischer, K., L.O. Orsak, D.K. Letourneau, and P. Siaguru. Research, resource use and sustainable conservation. *Proceedings, 20th Waigani Seminar, Port Moresby, Papua New Guinea* PEER REVIEWED **Reviewed**
- 29 1995 Drinkwater, L.E., F. Workneh, D.K. Letourneau, A.H.C. van Bruggen, and C.

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- 28 1994 Letourneau, D.K. Bean fly, management practices, and biological control in Malawian subsistence agriculture. *Agriculture, Ecosystems and Environment* 50:103-111 PEER REVIEWED **Reviewed**
- 27 1993 Letourneau, D.K. Ants that pay the piper. *Natural History* 102:4-8 PEER REVIEWED **Reviewed**
- 26 1993 Letourneau, D.K., F. Arias G. and M. Jebb. Coping with enemy-filled space: Herbivores on *Endospermum* in Papua New Guinea. *Biotropica* 25:95-99 PEER REVIEWED **Reviewed**
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- 24 1991 Shennan, C., L.E. Drinkwater, A.H.C. van Bruggen, D.K. Letourneau, and F. Workneh. Comparative study of organic and conventional tomato production systems: An approach to on-farm systems studies. pp. 109-132 IN B. Rice and J.P. Madden (Eds.) *Sustainable Agriculture Research and Education in the Field*. National Academy Press, Washington, D.C. INVITED **Reviewed**
- 23 1991 Letourneau, D. K., Parasitism of ant-plant mutualism and the novel case of *Piper* 390-396 IN C. M. Huxley and D. F. Cutter (Eds.) *Ant-Plant Interactions*, Oxford University Press, New York, NY PEER REVIEWED, INVITED **Reviewed**
- 1991 Sederoff, R. and D.K. Letourneau *Drosophila melanogaster*, *Guidelines for Research Involving Planned Introduction into the Environment of Genetically Modified Organisms*, document 91-94, Example 6, Appendix 1, 1-8
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- 19 1990 Letourneau, D.K. Abundance patterns of leafhopper enemies in mixed and pure stands. *Environmental Entomology* 19:505-509 PEER REVIEWED **Reviewed**
- 18 1990 Fox, L.R., D.K. Letourneau, J. Eisenbach, and S. van Nouhuys. Parasitism rates and sex ratios of a parasitic wasp: Effects of herbivore and plant quality. *Oecologia* 83:414-419, 414-419 PEER REVIEWED **Reviewed**
- 22 1990 Letourneau D. K., Two examples of natural enemy augmentation: A consequence of crop diversification Pp. 11-29 IN S.R. Gliessman (Ed.) *Agroecology: Researching the Ecological Basis of Sustainable Agriculture*, Springer-Verlag, New York, NY PEER REVIEWED, INVITED **Reviewed**
- 16 1989 Letourneau, D.K., and L. R. Fox. Effects of experimental design and nitrogen on cabbage butterfly oviposition. *Oecologia* 80:211-214 PEER REVIEWED **Reviewed**
- 15 1989 Letourneau, D.K. The influence of host range on enemy abundance in intercrops. *UC Davis Student Experimental Farm Journal* PEER REVIEWED **Reviewed**
- 17 1989 Letourneau, D. K., Herbivores and their natural enemies: on-farm experiments in tropical Mexico IN R. Prinsley (Ed.) *Proceedings Commonwealth Science Council Workshop on Development of Standard Methods for Sampling and Analysis of Relationships between Insects, Diseases, Nematodes, and Weeds in Intercropping Systems*, CSC Technical Publ. Series, Saint Paul, MN PEER REVIEWED,

- INVITED Reviewed**
- 14 1988 Barbosa, P. and D. K. Letourneau (Eds.). *Novel Aspects of Plant-Insect Interactions*, 362 pp. John Wiley & Sons, Hoboken, NJ. PEER REVIEWED, **JURIED Reviewed**
- 12 1988 Letourneau, D. K., Soil management for pest control: a critical appraisal of the concepts IN P. Allen and D. Van Dusen (Eds.) *Global Perspectives on Agroecology and Sustainable Agriculture: Proceedings of the Sixth International Conference of the International Federation of Organic Agriculture Movements*, University of California, Santa Cruz, Agroecology Program PEER REVIEWED, **INVITED Reviewed**
- 13 1988 Letourneau, D. K. Predatorial Pest Control: Biological Control in Agricultural IPM Systems. *Bulletin of the Entomology Society of America* 34(2):100-101 **Reviewed**
- 1988 Letourneau, D.K. Nitrogen fertilizer's effects on pests and predators. *The Cultivar* 6(2):5-6
- 11 1987 Letourneau, D.K. The enemies hypothesis: Tritrophic interactions and vegetational diversity in tropical agroecosystems. *Ecology* 68:1616-1622 PEER REVIEWED **Reviewed**
- 10 1987 Letourneau, D.K. and J.C. Choe. Homopteran attendance by wasps and ants: The stochastic nature of interactions. *Psyche* 94:82-91 PEER REVIEWED **Reviewed**
- 9 1986 Letourneau, D.K. Associational resistance in squash monocultures and polycultures in a tropical agroecosystem. *Environmental Entomology* 15(2):285-292 PEER REVIEWED **Reviewed**
- 1986 "The Sounds of Science" on Rainforest Conservation. [National Public Radio Interview] 1986
- 1986 Santa Cruz County Board of Education. [Community Resource Speaker] 1986
- 1985 Haber W. and D.K. Letourneau (Eds.) OTS 84-3, *Tropical Biology - an Ecological Approach, coursebook*, Durham, North Carolina, Organization for Tropical Studies Press
- 7 1984 Altieri, M.A. and D.K. Letourneau. Vegetation diversity and outbreaks of insect pests. *CRC Critical Reviews of Plant Sciences* 2(2):131-169 PEER REVIEWED **Reviewed**
- 8 1984 Altieri, M. A., D. K. Letourneau and J. R. Davis, The requirements of sustainable agroecosystems IN Gordon K. Douglass (Ed.) *Agricultural Sustainability in a Changing World Order*, Westview Press, Boulder, Colorado PEER REVIEWED, **INVITED Reviewed**
- 5 1983 Letourneau, D.K. Passive aggression: An alternative hypothesis for the *Piper-Pheidole* Association. *Oecologia* 60:122-126 PEER REVIEWED **Reviewed**
- 4 1983 Letourneau, D.K. and M.A. Altieri. Abundance patterns of a predator, *Orius tristicolor* (Hemiptera: Anthocoridae) and its prey, *Frankliniella occidentalis* (Thysanoptera: Thripidae): Habitat attraction in polycultures versus monocultures. *Environmental Entomology* 12(5):1464-1469 PEER REVIEWED **Reviewed**
- 3 1983 Altieri, M.A., D.K. Letourneau and J.R. Davis. Developing sustainable agroecosystems. *BioScience* 33(1):45-49 PEER REVIEWED **Reviewed**
- 6 1983 Letourneau, D. K. Population biology of tropical insects: a book review, *Bulletin of the Entomological Society* 29(4), 57 **Reviewed**
- 2 1982 Altieri, M.A. and D.K. Letourneau. Vegetation management and biological control in agroecosystems. *Crop Protection* 1(4):405-430 PEER REVIEWED **Reviewed**
- 1982 Letourneau, D.K. Population dynamics of a predator *Orius tristicolor* and its prey *Frankliniella occidentalis* in simple and intercropped fields, *UC Davis Student Experimental Farm Journal* 9-20 PEER REVIEWED

1 1980 Letourneau, D. K. The pesticide conspiracy: a book review, *Science for the People* 11(3), 37-38 **Reviewed**

STUDENT SUPERVISION 2005 - 2015

2015 to Present - Primary Supervisor; Jessica Hill, Bachelors Student
 2015 to Present - Primary Supervisor; Reeanna Johnson, Bachelors Student
 2013 to 2015 - Primary Supervisor; Quyen Truong, Bachelors Student, Degree Completed 2015
 2013 to 2015 - Primary Supervisor; Ryan Wong, Bachelors Student
 2013 to Present - Other Advisor; Graham Baird, Doctoral Student
 2014 to Present - Other Advisor; Monika Egerer, Doctoral Student
 2013 to 2015 - Other Advisor; Hamutahl Cohen, Doctoral Student
 2007 to 2013 - Primary Supervisor; Tara Cornelisse, Doctoral Student, Degree Completed 2013
 2013 to Present - Other Advisor; Esteli Jimenez Soto, Doctoral Student
 2011 to 2013 - Co Supervisor; Carlo Moreno, Doctoral Student, Degree Completed 2013
 2011 to 2013 - Other Advisor; Emily Musgrave, Masters Student, Degree Completed 2013
 2012 to 2013 - Primary Supervisor; Elissa Olimpi, Doctoral Student
 2011 to 2012 - Primary Supervisor; Michelle Bennett, Bachelors Student, Degree Completed 2012

 2012 to 2013, Thesis Advisor - Thesis Honors for Ohlone Tiger Beetle research

 2002 to 2012 - Primary Supervisor; Sara Bothwell, Doctoral Student, Degree Completed 2012
 2012 to 2014 - Primary Supervisor; Marcela Cely Santos, Doctoral Student
 2012 to 2013 - Primary Supervisor; Hamutahl Cohen, Doctoral Student
 2010 to 2012 - Primary Supervisor; Rose Nelson, Bachelors Student, Degree Completed 2012
 2010 to 2012 - Primary Supervisor; Maya Sertic, Bachelors Student, Degree Completed 2012
 2007 to 2011 - Primary Supervisor; Julie A. Jedlicka, Doctoral Student, Degree Completed 2011
 2004 to 2011 - Other Advisor; Timothy Krupnik, Doctoral Student, Degree Completed 2011
 2009 to 2011 - Other Advisor; Carlo Moreno, Doctoral Student
 2005 to 2011 - Other Advisor; Anna Zivian, Doctoral Student, Degree Completed 2011
 1999 to 2010 - Primary Supervisor; Joy A. Hagen, Doctoral Student, Degree Completed 2010
 2005 to 2009 - Primary Supervisor; Carlo Moreno, Doctoral Student
 2003 to 2009 - Primary Supervisor; Alexis Racelis, Doctoral Student, Degree Completed 2009
 2004 to 2008 - Other Advisor; Barbara Ayala Orozco, Doctoral Student, Degree Completed 2008
 2002 to 2008 - Other Advisor; Tara Pisani-Gareau, Doctoral Student, Degree Completed 2008
 2002 to 2007 - Other Advisor; Dustin Mulvaney, Doctoral Student, Degree Completed 2007
 2006 - Other Advisor; Ms Karungi, Makerere University, Uganda, Doctoral Student, Degree Completed 2006
 2002 to 2006 - Other Advisor; Doug Plante, Doctoral Student, Degree Completed 2007
 1998 to 2006 - Primary Supervisor; J. Robert Serrine, Doctoral Student, Degree Completed 2006
 2003 to 2005 - Primary Supervisor; Brent Blair, Postdoctoral Scholar, Degree Completed 2002

TEACHING 2010-2011 To 2015-2016

**2015-2016
 Courses Taught**

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments	Review Status
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Summer	ENVS 183B - 03 - Senior Internship	5	1		100		
Fall	ENVS 042D - 01 - SDS: Naturalist Comm	2	12	67	100		
Fall	ENVS 108 - 01 - General Entomology	5	44	61	100		
Fall	ENVS 108L - 01 - Gen Entomology Lab	3	7	71	100		
Fall	ENVS 183A - 08 - Senior Internship	5	2		100		
Fall	ENVS 184 - 08 - Envs Stu Internship	2	4		100		
Fall	ENVS 192 - 02 - Dir Stu Teach	5	1		100		
Fall	ENVS 199 - 08 - Tutorial	5	1		100		

**2014-2015
Courses Taught**

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments	Review Status
Fall	ENVS 083 - 08 - Internship	5	1		100		
Fall	ENVS 099F - 08 - Tutorial	2	13		100		
Fall	ENVS 129 - 01 - Integ Pest Managem	5	41	80	100		
Fall	ENVS 129L - 01 - Int Pest Mgmt Lab	2	6	67	100		
Fall	ENVS 183 - 08 - Envs Stu Internship	5	1		100		
Fall	ENVS 183A - 08 - Senior Internship	5	2		100		
Fall	ENVS 184 - 08 - Envs Stu Internship	2	1		100		
Fall	ENVS 196 - 01 - Senior Seminar	5	5	20	100		
Fall	ENVS 199 - 08 - Tutorial	5	1		100		
Fall	ENVS 292 - 08 - Research In Envs	2	1		100		
Winter	ENVS 183 - 08 - Envs Stu Internship	5	1		100		
Winter	ENVS 183B - 08 - Senior Internship	5	3		100		

Winter	ENVS 190 - 01 - Capstone:EnvrProblem	5	58	72	100		
Winter	ENVS 195A - 08 - Senior Research	5	1		100		
Spring	ENVS 083 - 08 - Internship	5	2		100		
Spring	ENVS 099 - 08 - Tutorial	5	1		100		
Spring	ENVS 183A - 08 - Senior Internship	5	1		100		
Spring	ENVS 201N - 01 - Intrdiscplnry Resrch	5	8	63	100		

Other Teaching

Summer Guest Lecture in International Urban Agriculture graduate course, July 30; Diversity and Abundance Cascades for Ecosystem Services (for Professors Philpott, Morales, and Ferguson)

2013-2014

Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments	Review Status
Fall	ENVS 083 - 08 - Internship	5	1		100		
Fall	ENVS 184 - 08 - Envs Stu Internship	2	3		100		
Fall	ENVS 196 - 02 - Senior Seminar	5	13	77	100		
Fall	ENVS 292 - 07 - Research In Envs	2	2		100		
Winter	ENVS 183A - 08 - Senior Internship	5	1		100		
Winter	ENVS 199 - 08 - Tutorial	5	1		100		
Winter	ENVS 297A - 09 - Independent Study	5	1		100		
Spring	ENVS 108 - 01 - General Entomology	5	29	66	100		
Spring	ENVS 108L - 01 - Gen Entomology Lab	3	11		100		
Spring	ENVS 183B - 08 - Senior Internship	5	1		100		
Spring	ENVS 184 - 08 - Envs Stu Internship	2	1		100		
Spring	ENVS 199F - 08 - Tutorial	2	1		100		
Spring	ENVS 201N - 01 -	5	8	88	100		

	Intrdiscplnry Resrch						
Spring	ENVS 297A - 08 - Independent Study	5	1		100		

Other Teaching

Fall 2013 Guest lecture via Skype, Boston College GE 310, Advanced Agroecology, Integrated Pest Management

2012-2013

Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments	Review Status
Fall	ENVS 129 - 01 - Integ Pest Managem	5	20		100		
Fall	ENVS 184 - 09 - Envs Stu Internship	2	2		100		
Fall	ENVS 196 - 02 - Senior Seminar	5	3		100		
Fall	ENVS 199 - 09 - Tutorial	5	1		100		
Fall	ENVS 292 - 08 - Research In Envs	2	5		100		
Fall	ENVS 299 - 09 - Thesis Research	5	2		100		
Winter	ENVS 183A - 09 - Senior Internship	5	1		100		
Winter	ENVS 195A - 09 - Senior Research	5	1		100		
Winter	ENVS 199F - 09 - Tutorial	2	1		100		
Winter	ENVS 292 - 08 - Research In Envs	2	5		100		
Winter	ENVS 299 - 09 - Thesis Research	5	1		100		

Other Teaching

Fall 2012 Guest Lecture, ENVS 130A on Biodiversity, Landscape Complexity and Ecosystem Services

Spring 2013 Approved family medical emergency leave of absence

2011-2012

Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments	Review Status
Fall	ENVS 099F - 03 - Tutorial	2	2		100		

Fall	ENVS 183 - 09 - Envs Stu Internship	5	1		100		
Fall	ENVS 183A - 09 - Senior Internship	5	1		100		
Fall	ENVS 184 - 09 - Envs Stu Internship	2	4		100		
Fall	ENVS 195A - 09 - Senior Research	5	1		100		
Fall	ENVS 199F - 08 - Tutorial	2	7		100		
Fall	ENVS 292 - 09 - Research In Envs	2	2		100		
Fall	ENVS 299 - 09 - Thesis Research	5	2		100		
Winter	ENVS 083 - 09 - Internship	5	1		100		
Winter	ENVS 099F - 02 - Tutorial	2	3		100		
Winter	ENVS 183A - 09 - Senior Internship	5	5		100		
Winter	ENVS 183B - 09 - Senior Internship	5	1		100		
Winter	ENVS 190 - 01 - Capstone:EnvrProblem	5	88		100		
Winter	ENVS 199 - 09 - Tutorial	5	2		100		
Winter	ENVS 199F - 09 - Tutorial	2	6		100		
Winter	ENVS 292 - 08 - Research In Envs	2	1		100		
Winter	ENVS 299 - 09 - Thesis Research	5	2		100		
Spring	ENVS 108 - 01 - General Entomology	5	38	76	100		
Spring	ENVS 183B - 09 - Senior Internship	5	5		100		
Spring	ENVS 195A - 09 - Senior Research	5	2		100		
Spring	ENVS 201N - 01 - Intrdscplnry Resrch	5	11	55	100		
Spring	ENVS 292 - 08 - Research In Envs	2	2		100		
Spring	ENVS 299 - 09 - Thesis Research	5	2		100		

Other Teaching

Fall 2011 Guest lecture in ENVS 146 on Biodiversity and Pest management

2010-2011

Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments	Review Status
Fall	ENVS 083 - 09 - ENVIRONMENTAL STUDIES INTERNSHIP	5	1		100		
Fall	ENVS 083 - 19 - ENVIRONMENTAL STUDIES INTERNSHIP	5	1		100		
Fall	ENVS 183 - 09 - ENVIRONMENTAL STUDIES INTERNSHIP	5	3		100		
Fall	ENVS 184 - 09 - ENVIRONMENTAL STUDIES INTERNSHIP (2 CREDITS)	2	5		100		
Fall	ENVS 292 - 09 - TOPICS IN RESEARCH IN ENVIRONMENTAL STUDIES (2 CREDITS)	2	3		100		
Fall	ENVS 299 - 09 - THESIS RESEARCH	5	2		100		
Winter	ENVS 083 - 09 - ENVIRONMENTAL STUDIES INTERNSHIP	5	1		100		
Winter	ENVS 099F - 02 - TUTORIAL (2 CREDITS)	2	8		100		
Winter	ENVS 183 - 09 - ENVIRONMENTAL STUDIES INTERNSHIP	5	3		100		
Winter	ENVS 183B - 09 - SENIOR INTERNSHIP	5	2		100		
Winter	ENVS 184 - 09 - ENVIRONMENTAL STUDIES INTERNSHIP (2 CREDITS)	2	4		100		

Winter	ENVS 190 - 01 - CAPSTONE COURSE: ENVIRONMENT AND CULTURE	5	82	62	100		Reviewed,Forwarded
Winter	ENVS 292 - 07 - TOPICS IN RESEARCH IN ENVIRONMENTAL STUDIES (2 CREDITS)	2	2		100		
Winter	ENVS 299 - 09 - THESIS RESEARCH	5	2		100		
Winter	ENVS 299B - 09 - THESIS RESEARCH	10	1		100		
Spring	ENVS 099F - 03 - TUTORIAL (2 CREDITS)	2	13		100		
Spring	ENVS 129 - 01 - INTEGRATED PEST MANAGEMENT	5	63	76	100		Reviewed,Forwarded
Spring	ENVS 183 - 09 - ENVIRONMENTAL STUDIES INTERNSHIP	5	1		100		
Spring	ENVS 183B - 09 - SENIOR INTERNSHIP	5	1		100		
Spring	ENVS 184 - 09 - ENVIRONMENTAL STUDIES INTERNSHIP (2 CREDITS)	2	19		100		
Spring	ENVS 199 - 09 - TUTORIAL	5	1		100		
Spring	ENVS 201N - 01 - INTERDISCIPLINARY RESEARCH DESIGN (3 CREDITS)	5	5	80	100		Reviewed,Forwarded
Spring	ENVS 292 - 08 - TOPICS IN RESEARCH IN ENVIRONMENTAL STUDIES (2 CREDITS)	2	2		100		
Spring	ENVS 299 - 09 - THESIS RESEARCH	5	2		100		
Spring	ENVS 299B - 09 - THESIS RESEARCH	10	1		100		

Other Teaching

Summer 2011 Faculty Field Problem for Watsonville teachers and UCSC graduate student fellows Santa Cruz - Watsonville Inquiry-Based Learning in Environmental Studies (SCWIBLES) workshop

Spring 2011 Guest Panelist, Women in Science, ENVS 290L

Summer 2011 Guest Lecture for the International Agroecology Shortcourse, Module 3: Redesigning Food Systems for Sustainability "Biodiversity in Agriculture"

Spring 2011 Guest Lecture on Uses of Insects, and demonstration on Insects as Food, Anthropology 4 -- Contemporary Issues in Anthropology