

Curriculum Vitae Daniel Udovic

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PERSONAL	Born July, 9 1947, Cleveland, OH. Married. Two children
RESEARCH INTERESTS	Population biology; Evolutionary ecology; Plant-insect mutualisms; Science education policy and practice; educational technology
EDUCATION	University of Oregon MS, 1988; Computer & Information Science Cornell University PhD, 1973; Entomology University of Texas BA, 1970; Zoology
POSITIONS	Professor Emeritus 2006- Environmental Studies, Biology, University of Oregon
	Program Director 2006-2009 Division of Undergraduate Education, National Science Foundation, Arlington, VA
	Professor 2002–2006 Environmental Studies, Biology, University of Oregon Director 1996-2006 Environmental Studies, University of Oregon 2002-2006 Center for Ecology & Evolutionary Biology, Univ. of Oregon Director 2000–2002 Ecology & Evolution Program, Univ. of Oregon Associate Professor 1981–2002 Department of Biology, University of Oregon 1999–2002 Environmental Studies, University of Oregon Department Head 1989–1995 Department of Biology, University of Oregon Director of Curriculum 1984–1989 Department of Biology, University of Oregon Visiting Associate Professor 1982 Section of Ecology and Systematics, Cornell University Assistant Professor 1973–1981 Department of Biology, University of Oregon Research Assistant 1970–1973 Department of Entomology, Cornell University

GRANTS AND AWARDS (SINCE 1977)

2009-2012 National Science Foundation. \$323,900. Building Community through Grantee Meetings for the STEM Talent Enhancement Program. (0930277)

2004-2005 National Science Foundation. \$45,064 (UO share). (J. Bronstein, co-PI) SGER: Post-fire recovery of a plant-pollinator mutualism. (0412729)

2002-2005 National Science Foundation. \$499,290 (through Hampshire College, C. D'Avanzo and B. Grant, co-PI's) Program Evaluator; UO subcontract \$94,374. Teaching Issues and Experiments in Ecology (TIEE): Disseminating web- and CD_ROM based educational materials through the Ecological Society of America.

2002-2003 Genetic Resources Conservation Program, University of California System, \$1692. Assessing and conserving genetic diversity in the *Hesperoyucca whipplei* (Agavaceae) species complex.

2000-2001 National Science Foundation. \$85,191 (through Hampshire College, C. D'Avanzo, B. Grant, and S. Musante, co-PI's). Program Evaluator; consultant. Teaching Issues and Experiments in Ecology (TIEE): Disseminating web- and CD_ROM based educational materials through the Ecological Society of America.

1997-2002 National Science Foundation. \$1,000,000 (through Portland State) (Faculty Associate from 1997-2000). Oregon Collaborative for Excellence in Preparation of Teachers.

1995-1998. National Science Foundation. \$39,083. Co-Principle Investigator (with Bill Roberts). Promoting Investigative Learning in Biology Laboratories Using Computer-Based Data Acquisition Systems. (Equipment).

1995-1998. National Science Foundation. \$184,657. Principle Investigator. Improving Biology Education for Non-Majors: Dissemination of the Workshop Biology Project.

1994-1997. Funds for the Improvement of Post-Secondary Education. \$149,696. Principle Investigator. Improving Biology Education for Non-Majors: Dissemination of the Workshop Biology Project.

1992-1998 Howard Hughes Medical Institute. \$1,000,000. Principle Investigator. For curriculum and faculty development in the life sciences and related disciplines.

1991-1994. Funds for the Improvement of Post-Secondary Education. \$285,523. Principle Investigator. Workshop Biology for Non-Majors: Promoting Scientific Literacy through Investigative Labs and Issue-Oriented Activities.

1991-1993. National Science Foundation. \$101,764. Principle Investigator. Workshop Biology for Non-Majors: Promoting Scientific Literacy through Investigative Labs and Issue-Oriented Activities.

1988-1989. Apple Computer. \$12,000. Principle Investigator. Learning Scientific Reasoning Skills in Computer-Augmented General Biology Laboratories. (Equipment)

1988-1990. National Science Foundation. \$148,241. Principle Investigator. Learning Scientific Reasoning Skills in Computer-Augmented General Biology Laboratories. (Equipment)

1987-1989. Funds for Improvement of Post-Secondary Education. Co-PI (with Sarah Douglas and Nils Peterson of Computer and Information Science). Biology Laboratory Construction Kit with Intelligent Tutor.

1977-1979. National Science Foundation. \$68,000. Principle Investigator. Mutualistic interactions between plants and pollinators: theoretical and field studies of their ecological and evolutionary significance.

PUBLICATIONS (EXCLUDING SOFTWARE) (* = PEER REVIEWED)

* **Udovic, J. D., D. Pimentel and D. Nafus.** 1976. The interaction between spatial heterogeneity and genetic feedback in laboratory predator-prey systems. **Oecologia** 25: 23-34.

* **Levin, S. A. and J. D. Udovic.** 1977. Mathematical Models of coevolving populations. **American Naturalist** 111: 657-675.

* **Udovic, D.** 1980. Frequency-dependent selection, disruptive selection, and the evolution of reproductive isolation. **American Naturalist**. 116: 621-641.

* **Udovic, D.** 1981. Determinants of fruit set in *Yucca whipplei*: reproductive expenditure vs. pollinator availability **Oecologia** 48: 389-399.

* **Udovic, D. and Aker, C. L.** 1981. Fruit abortion and the regulation of fruit number in *Yucca whipplei*. **Oecologia** 49: 245-248.

- * **Aker, C. L. and Udovic, D.** 1981. Oviposition and pollination behavior of the yucca moth (*Tegiticula maculata* (Lepidoptera: Prodoxidae), and its relationship to the reproductive biology of *Yucca whipplei*. (Agavaceae) **Oecologia** 49: 96-101.
- * **Udovic, D.** 1986. Floral predation of *Yucca whipplei* (Agavaceae) by the sap beetle, *Anthrenus agavensis* (Coleoptera: Nitidulidae). **Pan-Pacific Entomol.** 62: 55–57.
- Udovic, D. and Hennesy, G.** 1995. Using Demography 2.0 to model population dynamics. **BioQUEST Notes** 5(3): 1, 4-8.
- Udovic, D., Morris, D., Dickman, A., Postlethwait, J and Wetherwax, P.** 1996. The Workshop Biology Curriculum Handbook. (distributed by the Workshop Biology Program, Department of Biology, University of Oregon)
- Udovic, D.** 1998. Confronting student misconceptions in a large class. National Institute for Science Education Collaborative Learning Web Site (<http://www.wcer.wisc.edu/cl1/CL/story/udovicda/TSDUA.htm>)
- * **Udovic, D., Morris, D., Dickman, A., Postlethwait, J and Wetherwax, P.** 2002. Workshop Biology: Demonstrating the effectiveness of active learning in a non-majors biology course. **BioScience** 52:272-281
- D’Avanzo, C., Grant, B., Morris, D., Musante, S. Taylor, J. Riney, J. and Udovic, D.** 2006. Design, evaluation and research for TIEE, a peer-reviewed electronic teaching resource. **Frontiers in Ecol. And Environ.** 4: 189-195

SOFTWARE PUBLICATIONS

(* = PEER REVIEWED; PLEASE NOTE THAT THE BIOQUEST COLLECTION INCLUDES THREE STAGES OF REVIEW – “FIRST REVIEW”, “COLLECTION CANDIDATES”, “MAIN COLLECTION”. I HAVE ONLY PUT ASTERISKS NEXT TO SOFYWARE MODULES INCLUDED IN THE LATTER TWO GROUPS.)

- Udovic, D.** 1989. Biological Diversity: A hypermedia learning tool. (Computer software and manuals). McGraw–Hill, N. Y.
- Udovic, D.** 1989. Lecture Planner. (Computer software and manuals). McGraw–Hill, N. Y.
- Udovic, D.** 1991. Diversity! A Biology Videodisc Learning Tool for Hypercard® 2.0(Computer software and manuals). McGraw–Hill, N. Y.
- Udovic, D.** 1991. Lecture Planner v. 2.0. (Computer software and manuals). McGraw–Hill, N. Y.
- * **Douglas, S., Peterson, N. S., and Udovic, D.** 1993. The cardiovascular construction kit (Computer software and manuals). In Jungck, J., Peterson, N. S., and Calley, J. (eds.) *BioQUEST: Quality Undergraduate Educational Simulations and Tools Vol I*, University of Maryland Press (CD-ROM). [Also on BioQUEST II (1994), BioQUEST III (1995), BioQUEST IV (1996), BioQUEST V (1998) and BioQUEST VI (2001)]
- Udovic, D. and Barber, J.** 1993. Cumulative Selection. (Computer software and manual). *Beta* test version available from University of Oregon Biology Software Lab. See Biology Software Lab web site (http://biology.uoregon.edu/Biology_WWW/BSL/BSL.html)
- * **Udovic, D., Barber, J., Goodwin, W. and Hennesy, G.** 1994. Demography v. 1.0. (Computer software and manual). In Jungck, J., Peterson, N. S., and Calley, J. (eds.) *BioQUEST: Quality Undergraduate Educational Simulations and Tools, Vol. II*, University of Maryland Press (CD-ROM).
- Udovic, D. and Goodwin, W.** 1994. Epidemiology v. 1.0. (Computer software and manual). In Jungck, J., Peterson, N. S., and Calley, J. (eds.) *BioQUEST: Quality Undergraduate Educational Simulations and Tools Vol. II*, University of Maryland Press (CD-ROM). [Also on BioQUEST III (1995)]
- Udovic, D.** 1994. Selection in Action v. 1.2 (Computer software and manual). *Beta* test version available from University of Oregon Biology Software Lab. See Biology Software Lab web site (http://biology.uoregon.edu/Biology_WWW/BSL/BSL.html)

- * **Udovic, D., Barber, J., Goodwin, W. and Hennesy, G.** 1995. Demography v. 2.0. (Computer software and manual). In Jungck, J., Peterson, N. S., and Calley, J. (eds.) *BioQUEST: Quality Undergraduate Educational Simulations and Tools, Vol. III*, University of Maryland Press (CD-ROM).
- Udovic, D. and Hennesy, G.** 1995. Sampling v. 1.1. (Computer software and manual). In Jungck, J., Peterson, N. S., and Calley, J. (eds.) *BioQUEST: Quality Undergraduate Educational Simulations and Tools Vol. III*, University of Maryland Press (CD-ROM). [Also on BioQUEST IV (1996), BioQUEST V (1998) and BioQUEST VI (2001)]
- * **Udovic, D., Hennesy, G., Goodwin, W. and Barber, J.** 1996. Demography v. 3.0. (Computer software and manual). In Jungck, J., Peterson, N. S., and Calley, J. (eds.) *BioQUEST: Quality Undergraduate Educational Simulations and Tools Vol. IV.*, University of Maryland Press (CD-ROM).
- * **Udovic, D. and Goodwin, W.** 1996. Epidemiology v. 2.1. (Computer software and manual). In Jungck, J., Peterson, N. S., and Calley, J. (eds.) *BioQUEST: Quality Undergraduate Educational Simulations and Tools Vol. IV*, University of Maryland Press (CD-ROM).
- * **Udovic, D., Hennesy, G., Goodwin, W. and Barber, J.** 1998. Demography v. 4.1. (Computer software and manual). In Jungck, J., Peterson, N. S., and Calley, J. (eds.) *BioQUEST: Quality Undergraduate Educational Simulations and Tools V.*, Academic Press (CD-ROM). [Also on BioQUEST VI (2001)]
- * **Udovic, D. and Goodwin, W.** 1998. Epidemiology v. 2.5. (Computer software and manual). In Jungck, J., Peterson, N. S., and Calley, J. (eds.) *BioQUEST: Quality Undergraduate Educational Simulations and Tools V*, Academic Press (CD-ROM). [Also on BioQUEST VI (2001)]
- Udovic, D., and Coxwell, J.** 1997. Java Demography 1.0. Computer software. See Biology Software Lab web site (<http://darkwing.uoregon.edu/~bsl/>) (this version has now been superceded by v. 2.1 - see below)
- Udovic, D., T. Conlin and M. Felt.** 2001. Java Demography 2.1. Computer software and manual. See Biology Software Lab web site (<http://darkwing.uoregon.edu/~bsl/>). In Jungck, J., Peterson, N. S., and Calley, J. (eds.) *BioQUEST: Quality Undergraduate Educational Simulations and Tools VI*, Academic Press (CD-ROM).
- Udovic, D., T. Conlin and M. Felt.** 2001. Java Epidemiology 1.0. Computer software and manual. See Biology Software Lab web site (<http://darkwing.uoregon.edu/~bsl/>). In Jungck, J., Peterson, N. S., and Calley, J. (eds.) *BioQUEST: Quality Undergraduate Educational Simulations and Tools VI*, Academic Press (CD-ROM).

WORLD WIDE WEB MATERIALS

The Workshop Biology Project (<http://yucca.uoregon.edu/WB>)

The Biology Software Lab (<http://www.uoregon.edu/~bsl/>)

Class web sites (see “Courses taught”)

SOME PUBLICATIONS BY OTHERS THAT FEATURE MY WORK

_____. 1995. Project Kaleidoscope Volume II. What Works: Resources for Reform

National Academies (Committee on Undergraduate Biology Education). 2002. Bio2010: Transforming undergraduate education for future research biologists. National Academy Press. Wash., D.C.

Marcus, D., E. B. Cobb, and R. E. Shoenberg. 1996. Lessons Learned from FIPSE Projects, III. Fund for the Improvement of Postsecondary Education. U.S. Department of Education, Washington, D.C. pages 103-112.

McEachron, D.L. and L. Finegold. 2000. Epidemiology—teaching the fundamentals. **American Biology Teacher** 62: 8-17.

Handelsman, J., S. Miller, and C. Pfund. 2007. Scientific Teaching. W. H. Freeman and Co. NY (p.26-27)

MEETINGS AND PRESENTATIONS (SINCE 1995)

- American Educational Research Association Annual Meeting, San Francisco, CA, April, 1995 (talk)
- Northwest Biology Instructors' Organization Annual Meeting, Portland, OR, April, 1995 (software workshop)
- University of Kentucky, Department of Biology, Lexington, KY, March, 1995 (talk and software workshop)
- Kentucky Partnership for Reform Initiatives in Science and Mathematics (PRISM), 3rd Annual Math/Science Conclave, Louisville, KY, March 1995, (invited speaker)
- University of Oregon, Department of Biology, Winter, 1995 (colloquium)
- Project Kaleidoscope, Workshop on Teaching Introductory Biology, University of Oregon, April, 1995 (I was co-organizer of this national meeting; presented a talk and a software workshop)
- “Explore Oregon”, University of Oregon Alumni Association, Spring, 1995 (talk)
- American Institute of Biological Sciences Annual Meeting, San Diego, CA, August, 1995 (co-presented workshop, co-presented paper)
- Emory University, Atlanta, GA, October, 1995 (talk and software workshop)
- Northwest Biology Instructors' Organization Annual Meeting, Gray's Harbor, WA, April, 1996 (software workshop)
- “Solving Problems in the Real World: Issues-oriented hands-on activities to promote critical thinking”, City University of New York university-wide symposium, Baruch College, New York, NY, May, 1996 (keynote talk, 2 software workshops)
- Biology In Action, Conference on Biology Teaching, Radford, VA, May 1996 (poster, workshop)
- University of Wisconsin, Madison, WI, June, 1996 (gave 3-day workshop for faculty of the Wisconsin Centers campuses; half-day workshop for University of Wisconsin faculty)
- BioQUEST Workshop, Beloit College, Beloit WI, June 1996 (gave three half-day workshops)
- University of Oregon Summer Outreach in Science, July, 1996 (talk)
- Workshop Biology Conference, University of Oregon, July 26-31, 1996 (organized this NSF/FIPSE-sponsored national conference/workshop and presented four software workshops)
- American Institute of Biological Sciences Annual Meeting, Seattle, WA, August, 1996 (co-presented 2 workshops, co-presented paper)
- Project Kaleidoscope, Workshop on Teaching Introductory Biology, Morehouse College, Atlanta GA, October, 1996
- University of Maryland, Baltimore County, October, 1996
- University of Montana, December, 1996
- American Society of Microbiologists, Miami, FL, May, 1996 (invited keynote speaker)
- Workshop Biology Conference, University of Oregon, June, 1997 (organized this 3-day NSF/FIPSE-sponsored national conference/workshop on the future of biology education reform)
- AAAS Pacific Division Annual meeting, Corvallis Oregon, June 1997 (organized a two-day symposium on new directions in science education, presented paper)
- Ecological Society of America Annual Meeting, Albuquerque, NM, August, 1997 (co-presented workshop on teaching large classes with Carol Brewer, Univ. of Montana, and Diane Ebert-May, Univ. of No. Arizona)
- Sustainable Business Symposium, University of Oregon, November, 1997 (panel, workshop co-presenter)
- Ecological Society of America Annual Meeting, Baltimore, MD, August, 1998 (two contributed papers accepted; did not present due to illness)
- Oregon Collaborative for Excellence in the Preparation of Teachers, Summer Workshop, Bend, OR and Portland, OR July/August, 1998 (facilitator)
- HOPES Conference, University of Oregon, April, 1999 (panel participant)
- Oregon Collaborative for Excellence in the Preparation of Teachers, Summer Workshop, Portland, OR July/August, 1999 (co-organizer, facilitator and presenter; gave a full-day workshop on modeling as a pedagogical tool)
- Ecological Society of America, Annual Meeting, Snowbird, UT, August, 2000 (co-presenter, poster; co-presenter, oral presentation)
- Society for Integrative and Comparative Biology Annual Meeting, Chicago, IL, January, 2001 (invited symposium presentation)
- Taking Nature Seriously Conference, University of Oregon, February, 2001 (panel presentation)

Ecological Society of America, Annual Meeting, Madison, WI, August, 2001 (presenter, poster; co-presenter, poster)

5th Annual Conference on Reforming Undergraduate Science and Mathematics Education, Bismark, ND, May 2002 (plenary presentation, 2 workshops)

Oregon State University, Dept. of Botany & Plant Pathology, March, 2003

University of British Columbia, March 2003 (presentation and 2 workshops)

Ecological Society of America, Annual Meeting, Savannah, GA, August, 2003 (presenter, oral presentation; co-presenter, 2 posters)

Ecological Society of America, Annual Meeting, Portland, OR, August, 2004 (co-presenter, poster)

Western Washington University, Dept. of Biology, May, 2005

Ecological Society of America, Annual Meeting, Montreal, CA, August, 2005 (presenter, oral presentation)

National Science Foundation, Div. of Undergraduate Education, January, 2006

American Institute of Biological Sciences, Annual Meeting, Washington, D.C., February, 2007 (co-presenter, oral presentation)

American Microbiology Society Committee on Undergraduate Education (ASMCUE), Buffalo, NY, May, 2007 (presenter, 2 oral presentations)

Ecological Society of America, Annual Meeting, San Jose, CA, August, 2007 (presenter, oral presentation; co-presenter, special session)

University of Akron, Dept. of Biology, October, 2007

University of California, San Diego, Dept. of Biology, November, 2007

San Diego State University, Dept. of Biology, November, 2007

National Science Foundation, Div. of Undergraduate Education, January, 2008

Ecological Society of America, Annual Meeting, Milwaukee, WI, August, 2008 (workshop presentation)

Howard University, Washington, DC, October 2008

**PROFESSIONAL
SERVICE/
HONORS**

NSF Panels and Committees: STEP 3rd-year Review Team, 2009; UBM 3rd-year Review Team, 2009; UBM, 2009; Math and Science Partnerships, 2004; Course and Curriculum Development, 1995, 1997, 2009; Instrumentation & Lab Improvement Program, 1990, 1991

Member of the Biology Faculty Mentor Team, Oregon Collaborative for Excellence in the Preparation of Teachers (OCEPT), a Statewide project funded by the National Science Foundation, 1997-1999.

Member of the Management Team, Leader of the Biology Faculty Mentor Team, Oregon Collaborative for Excellence in the Preparation of Teachers (OCEPT), a Statewide project funded by the National Science Foundation, 1998 - 2000.

Editorial Review Board, Journal of Computers in Math and Science Education, Association for the Advancement of Computers in Education, 1997- 1999;

AIBS ad-hoc committee on developing a new science/biology education journal, 1998.

Project Evaluator, NSF grant to the Ecological Society of America, "Teaching in Ecology and Evolution", 1999 - 2001

Advisory Boards: Project BioQUEST, 1988-1990, 1997-2004; University of Montana HHMI Project, 1998-2001; Biological Sciences Curriculum Study for NSF Course and Curriculum Development Project, 1995-97; Project Kaleidoscope Biology Workshop Taskforce, 1995-97; UCLA for NSF Course & Curric. Development Project, 1996-98

Education and Human Resources Committee, Ecol. Society of America, 2001-2004

External Review Committee for the "Science One" Program, UBC, 1999

National Science Foundation Graduate Fellow, 1970-1973

Phi Beta Kappa

Biology Teaching Award, University of Oregon, 1997

**PROFESSIONAL
ORGANIZATIONS**

Ecological Society of America; American Association for Environmental Studies

NSF SERVICE (2006 – 2009)

2008-2009 -- Program officer for the following programs: STEM Talent Enhancement Program (co-lead); Interdisciplinary Training for Undergraduates in the Biological and Mathematical Sciences; Course, Curriculum and Laboratory Improvement Program; Research Coordination Network Program. I continued to participate in a cross-directorate working group on the future of biology undergraduate education, and was one of the lead organizers for several regional meetings of leading biology educators and for a meeting of the leaders of the largest, most influential professional societies in the biological sciences. The goal of these meetings was to help frame a national effort to improve biology education at the undergraduate level.

2007-2008 -- Program officer for the following programs: STEM Talent Enhancement Program (co-lead), Interdisciplinary Training for Undergraduates in the Biological and Mathematical Sciences (co-lead), Course, Curriculum and Laboratory Improvement Program. I continued to participate in a cross-directorate working group on the future of biology undergraduate education, and I was a member of a new cross-directorate working group that developed a new track within the Biological Sciences Directorate's Research Coordination Network Program. The new track focuses on the coordination of activities related to undergraduate education.

2006-2007 -- Program officer for the following programs: STEM Talent Enhancement Program (co-lead), Course, Curriculum and Laboratory Improvement Program, S-STEM Scholarship Program, Advanced Technology Education Program. I also assisted with the Interdisciplinary Training for Undergraduates in the Biological and Mathematical Sciences Program, and participated in a cross-directorate working group on the future of biology undergraduate education.

RECENT UNIVERSITY, COLLEGE AND DEPARTMENT SERVICE

The list below includes my most significant service responsibilities at the University of Oregon in recent years.

Director, Center for Ecology and Evolutionary Biology, 1/2000-6/2006. Responsibilities included planning for the future of the center, overseeing the program's budget, research space and facilities, as well as program activities such as the seminar series.

Director, Environmental Studies Program, 9/1996-6/2006. Responsibilities included overseeing an interdisciplinary program that services the needs of about 500 undergraduate majors, several hundred minors, and about 25-35 graduate students (MS and PhD).

UO Pathways Project, 1999-2000. Coordinated (with Galen Martin, ENVS) the development of a General Education Pathway entitled "Environmental Issues: Perspectives and Decision Making" which was implemented in 2000-2001

Freshman Seminar Advisory Board, 1994-1997. University committee charged with establishing policies regarding the freshman seminar program and soliciting and reviewing proposals for freshman seminars.

Educational Technology Policy Committee, 1994-1996. Ad-hoc University committee charged with formulating a policy for the development of appropriate educational technology campus-wide.

Director, Biology Software Lab, 1992-2001. The Biology Software Lab, funded through grants from FIPSE and NSF is a service facility that produces educational software for Macintosh computers. In the absence of grant funding, BSL is now scaled back to just myself and a student programmer.

Director, Biology Microcomputer Facility (Mac Lab), 1988-1996. This facility provides Macintosh computers and software for use by students taking biology courses. A lab manager and several student workers maintain the equipment and assist students.

Commission on Faculty Rewards and Development, 1993-95 (Chair). Ad-hoc University committee charged with reviewing the University's reward structure and making recommendations for improvement. A report of our deliberations and findings was submitted to the Provost.

Department Head, Biology, 1989-1995. Responsibilities included overseeing expansion in ecology and evolution and in marine biology and recruitments in molecular biology and neuroscience (a total of 12 new faculty in 5 years), handling promotion and tenure cases (nine in five years), salary decisions and other personnel issues, assigning faculty teaching and administrative duties, and managing our budget.

Director of Curriculum, Biology Department, 1984-89. Comparable to associate department head in some other departments. Responsibilities included curricular revision (which was an enormous task because of semester conversion planning and the subsequent decision to remain on the quarter system), scheduling, summer session, teaching and committee assignments for faculty and GTFs, and overseeing the department's teaching budget.

In addition to the above, I have served on the following committees since 1995:

- 2005-06** ENVS Executive Committee, Chair
 Executive Committee, Dept. of Biology
 Evolution Search Committee
- 2004-05** ENVS Executive Committee, Chair
 Executive Committee, Dept. of Biology
 Ecology Search Committee
- 2002-04** ENVS Executive Committee, Chair
 Executive Committee, Dept. of Biology
- 2001-02** ENVS Executive Committee, Chair
 ENVS Environmental Scientist Search Committee (Chair)
 Ecology and Evolution Search Committee
 Executive Committee, Dept. of Biology
 Director of SPUR (Summer Program for Undergraduate Research in the Life Sciences)
- 2000-01** ENVS Executive Committee, Chair
 ENVS Program Review Working Group (Chair) (prepared extensive self-study document)
 Executive Committee, Dept. of Biology
 Director of SPUR (Summer Program for Undergraduate Research in the Life Sciences)
- 1999-00** ENVS Executive Committee, Chair
 Personnel Committee, Dept. of Biology (until 1/2000)
 Executive Committee, Dept. of Biology (from 1/2000)
 Planning Committee, Dept. of Biology (from 12/99)
 Evolution Search Committee, Dept. of Biology (from 12/99), Chair
 Search Committees for office coordinator and grad secretary, ENVS, Chair
 University Environmental Policy Committee
 Program Review Internal Evaluation Committee for Landscape Architecture
- 1998-99** ENVS Executive Committee, Chair
 Ad-Hoc Committee to revise the ENVS curriculum, Chair
 Personnel Committee, Dept. of Biology
 Teaching Awards Committee, Dept. of Biology
 Instructional Technology Committee, Dept. of Biology, Chair
 Search Committees for office coordinator and grad secretary, ENVS, Chair
- 1997-98** ENVS Executive Committee, Chair
 Ad-Hoc Committee to revise the ENVS curriculum, Chair
 Teaching Awards Committee, Dept. of Biology
- 1996-97** ENVS Executive Committee, Chair
 Ad-Hoc Committee to for the creation of an Environmental Science major, Chair
 Biology Microcomputer Lab Advisory Committee

Faculty Search Committees, Dept. of Geography and Department of Biology

- 1995-96** Ad-Hoc Committee to revise introductory majors' sequence, Dept. of Biology, Chair
 Biology Microcomputer Lab Advisory Committee
 Curriculum Committee, Dept. of Biology
 Grad Exam Committee, Ecology and Evolution
 Search Committee for accounting clerk, Ecology and Evolution

RECENT TEACHING

- 2002-2005** Bi 407/507 Current Topics in Ecology and Evolution (periodically). This course was a weekly Discussion of recent journal articles for graduate students and advanced undergraduates (1 credit/term)
- 2001-2002** Bi 370 Ecology (F). This course is an advanced course for biology majors and other science majors with a strong biology and math background..
 WWW site – <http://biology.uoregon.edu/classes/bi370f01>
 ENVS 607 Seminar (F,W,S). This course served as an orientation for first-year graduate students, introducing them to UO faculty and providing guidance and direction in the development of a research project (1 credit/term)
 Bi 407/507 Current Topics in Ecology and Evolution (F,W,S). This course was a weekly Discussion of recent journal articles for graduate students and advanced undergraduates(1 credit/term)
- 2000-2001** Bi 471/571 Population Ecology (F). This course is an advanced course for senior biology majors and graduate students
 WWW site – <http://biology.uoregon.edu/classes/bi471w01>
 ENVS 607 Seminar (F,W,S). This course served as an orientation for first-year graduate students, introducing them to UO faculty and providing guidance and direction in the development of a research project (1 credit/term)
 Bi 407/507 Current Topics in Ecology and Evolution (F,W,S). This course was a weekly Discussion of recent journal articles for graduate students and advanced undergraduates(1 credit/term)
 Guest lecture in Bi 399 Pollination Biology
- 1999-2000** Bi 370 Ecology (F). This course is an advanced course for biology majors and other science majors with a strong biology and math background..
 WWW site – <http://biology.uoregon.edu/classes/bi370f99>
 ENVS 607 Seminar (F,W,S). This course served as an orientation for first-year graduate students, introducing them to UO faculty and providing guidance and direction in the development of a research project
 Guest lecture in Bi 399 Pollination Biology
- 1998-99** Bi 213 General Biology III (Populations) <http://Biology.uoregon.edu/classes/bi213s99>
 Bi 471/571 Population Ecology (F). This course is an advanced course for senior biology majors and graduate students.
 ENVS 507 Seminar (F,W,S). This course served as an orientation for first-year graduate students, introducing them to UO faculty and providing guidance and direction in the development of a research project
 Guest lectures in Bi 212 (General Biology II) and Bi 399 Pollination Biology
- 1997-98** Bi 213 General Biology III (Populations)
 WWW site -- <http://Biology.uoregon.edu/classes/bi213s98>
 ENVS 507 Seminar (F,W,S). This course served as an orientation for first-year graduate students, introducing them to UO faculty and providing guidance and direction in the development

of a research project
 ENVS 507 Journal Club (F,W). Seminar course dealing with current issues in environmental
 Studies
 Guest lecture in Bi 212 (General Biology II)

- 1996-97** Bi 103 General Biology III (Populations)
 WWW site -- http://Biology.uoregon.edu/Biology_www/online_classes/bi103s97/
 Bi 199 Plagues: the Past, Present and Future of Infectious Diseases (Freshman Seminar) (Winter)
 WWW site -- http://Biology.uoregon.edu/Biology_www/online_classes/bi199w97u/
 ENVS 507 Seminar (F,W,S). This course served as an orientation for first-year graduate students,
 introducing them to UO faculty and providing guidance and direction in the development
 of a research project
 ENVS 507 Journal Club (F,W,S). Seminar course dealing with current issues in environmental
 studies
- 1995-96** Bi 130 Introduction to Ecology (Fall)
 WWW site -- <http://Biology.uoregon.edu/classes/bi130/home.html>
 Bi 199 Plagues: the Past, Present and Future of Infectious Diseases (Freshman Seminar) (Winter)
 WWW site -- <http://Biology.uoregon.edu/classes/bi199/home.html>
 Bi 407/507 Seminar in Biology Education (F,W,S)

My primary teaching responsibilities in recent years have been in our biology courses for non-majors (Bi 103/113, Bi 130, Bi 213), upper division and graduate courses in ecology (Bi 370; Bi 471/571) and seminar courses in environmental studies (ENVS 507, 607) and ecology (Bi 507, 607). In my 33 years at the University of Oregon, I have taught a large number of different courses in the area of ecology and evolution, ranging from freshmen courses to advanced graduate seminars.

From 1989 to 1995, as Head of the Biology Department, my teaching load was minimal, and primarily involved assisting in the third term of our general biology course for non-majors (Bi 103, Bi 107) as part of the Workshop Biology Project. I also ran a graduate seminar on science education part of this time. My teaching load has also been reduced since 1996 to compensate for the heavy administrative duties related to the Environmental Studies Program and the Center for Ecology & Evolutionary Biology.

Between 1987 and 1989 I taught Bi 203 General Biology (twice), Bi 470 Dynamic Systems, Bi 508 Special Topics: Chaos, and Bi 570 Ecological Modeling.

LIST OF STUDENTS (SINCE 1981)

- Post-Docs** Charles Aker (1981-82)
- PhD** Charles Aker (1981)
- Masters** Theresa Maurer (1985); Manuela Huso (1985); Richard Wilen (Interdisciplinary Studies, 1982)

Dissertation Committees (Current): None

Dissertation Committees (Past)

Alan Dickman, Virginia Boucher, Robert Jordan, Katherine Field, Thomas Polacheck, Keith Downing (CIS; 1990); Petr Janata (Neurosciences; 1995), Deborah Morris (Educational Leadership; 2002); Kevin Glass (CIS; 2003)

Student Researchers (since 1995)

Tony Leiserowitz (grad RA; 2002-2003); Don Camanella (post-bac; 2002); Bethany Rader (Grad rotation; summer 2001); Bud Cohen (UG 2002-2003); Joshua Coxwell (UG), Tom Conlin (UG), Mark Felt (UG), Steve Brown (UG); Erin Hannelly (UG 2002-2003); Mike Strandberg (UG

2003-2004); Denny Vo (UG 2005); Jina Bai (UG 2003-2006); Hilary Lewis (UG 2005-2006)