

IVER W. DUEDALL

USA Citizen, Born Albany, OR, 1939
Oregon State University, Corvallis, BS Chemistry, 1963
Oregon State University, MS Oceanography, 1966
Dalhousie University, Halifax, CN, Oceanography, 1973

APPOINTMENTS

Professor, Oceanography & Environmental Sci, Florida Tech, Melbourne, 1989-present.
Department Head & Professor, Oceanography and Ocean Engineering, Florida Tech, 1983-88.
Associate Professor, Oceanography, State University of New York, Stony Brook, 1978-82.
Assistant Professor, Oceanography, State University of New York, Stony Brook, 1972-77.
Scientist 1, Marine Ecology Laboratory, Fisheries Research Board of Canada, Bedford Institute of Oceanography, Dartmouth, Nova Scotia, 1966-1972.

RECENT PUBLICATIONS

McDonald, E.C., I.W. Duedall, E.H. Kalajian, and C.-S. Shieh. 2000. Measurement and Stabilization of Waste-to-Energy Ash-Concrete Expansion in Seawater. *Environmental Science and Technology*, 34, 3211-3216.
Duedall, I.W. and G. Howells. Third International Ocean Pollution Symposium, Special Issue. 1998. *Chemistry and Ecology*, volumes 14 and 15, pp. 173-623.
Witiw, M.R., J. M. Jobanek, and I.W. Duedall. 1998. Salmon Sustainability in the Pacific Northwest of the United States. Volume 17, Number 4. (October - December 1998)
Williams, J. and I.W. Duedall Florida Hurricanes and Tropical Storms. 1997. University Press, Gainesville, FL
I.W. Duedall, C.-S. Shieh, and M.I. Duedall. 1996. Global Environmental Issues. In: Introduction to Environmental Technology, Volume 1, Ed. N.K. Ostler, Prentice-Hall, p. 253-281

Recent International Graduate Students, MS in Environmental Resource Management, Last 5 years. (Note: IWD has advised approximately 40 total graduate students (including 6 Ph.D. students) since 1973.

Joshi, Ravinder (INDIA), MS ENV SCI, Non-renewable Natural Resources of India: Production Rates and Substitutes (Internship Report, 1996).
Tutiven, Isabel (ECAUDOR), MS COASTAL ZONE MANAGEMENT, Web Tool for Coastal Zone Managers in Florida (MS Thesis, 1996), currently Ph.D. graduate students, Universidad de Concepcion, Chile.
Alegria, Martin (BELIZE), MS ENV SCI, Evaluation of EPA's Environmental Impact Assessment Process (Internship Report, 1996).
Anwar Arshad (PAKISTAN), MS ENV SCI, Mineral Resources and Depletion Rates of Pakistan (Internship Report, 1997).
Shintani, Masanori (JAPAN), MS ENV SCI, An analysis of Ecotourism Opportunities for the Japanese Travel Market on the Island of Hawaii (Internship Report, 1998).
Melian, Enrique (PERU/SPAIN), MS ENV SCI, Ecotourism in the Peruvian Amazon (Internship Report, 1999).

TEACHING AND CURRICULUM DEVELOPMENT

OCN1010 Oceanography. OCN1010 is a freshman oceanography course, required by all incoming oceanography, ocean engineering, environmental science and meteorology

students. The course is taught in fall and spring semesters; course web site:

<http://duedall.fit.edu/ocn1010eng/>

Each student in OCN1010 is required to complete a project on sustainability of marine resources; the web page describing the project methodology is:

<http://duedall.fit.edu/ocn1010eng/course.htm>

An example student report can be found at: <ftp://duedall.fit.edu/ocn1010/Fall2000/serina.doc>

SCIWEBS, A Web Tool for Evaluating Web Sites: <http://www.duedall.fit.edu/sciwebs/>

SCIWEBS provides quantitative method for rating/assessing web sites in earth systems science ENS1001 The Whole Earth Course. Team-taught course on earth systems science emphasizing the six spheres: anthroposphere, cosmosphere, geosphere, atmosphere, hydrosphere and biosphere. <http://www.duedall.fit.edu/wholeearth/> Course includes student projects including resource utilization and sustainable development

ENS5001 Global Environmental Problems and Solutions. Course emphasizing population, human development, biodiversity and forests, resource consumption including energy, and atmospheric composition and processes; graduate course, although seniors can take the course. Course Project on overcoming barriers to sustainable development is a substantial part of ENS5001.

PROFESSIONAL SERVICE

American Editor: Chemistry and Ecology (Gordon and Breach Publication)

Associate Editor: Journal of Marine and Environmental Engineering (Gordon & Breach)

Executive Chairman: International Ocean Pollution Symposia Series, 1989-1998

Executive Chairman: International Ocean Disposal Symposia Series, 1982-1988

Committee Chair: National Academy of Sciences project on ocean waste disposal, 1985-86

International Experience

Director, Chilean Scholars (Marine Science) Exchange Program 1977-1999, State University of New York at Stony Brook; several trips to Chile during the 1977-1999 period. Sponsors: NY Sea Grant; Tinker Foundation.

Executive Director, International Ocean Dumping/Pollution Symposia Series: 1979-1997. The Series brought together international marine pollution scientists every 18 months to select countries to report on marine pollution processes and policy. Countries: USA mainland and Puerto Rico, UK, Yugoslavia, CN, and China. Sponsor: UNESCO, NOAA, EPA

Proposed CUAP Research Area: *Online Environmental Education: Proposed Shared Experience Between BUTE and Florida Tech Students and Professors.* Through the use of online technologies, selected course(s) will be reformatted for a distance learning medium in which students from both universities can attend at the same time. Students benefit through being exposed to expert faculty from the other side and through student-student interactions; professors benefit through application of distance learning technologies. Assessment will be determined through student response and also by an outside auditing such as an expert professor from another university attending the course. First year work will focus on selection of course projects that identify common interests (e.g. environmental problems such as waste management or water pollution), so as to maximize interaction among the institutions. In Year 2, online courses will be offered in the same semester to students at both universities. In Year 3 an Assessment of Online Teaching Experience will be performed, and some courses may continue.

For a list of potential relevant courses see: <http://www.fit.edu/catalog/eng/env-sci.html#envsci>

Annual Costs to Project: \$3,000 per year, primarily travel