

KEIO UNIVERSITY AT THE UNIVERSITY OF WASHINGTON SUMMER 2007

HUMAN SYSTEMS IN THE NORTHWEST BIOREGION

The Human Systems in the Northwest Bioregion Program for Keio University students at the University of Washington (UW) has been created through collaboration between the University of Washington (UW) Program on the Environment (PoE) and International Outreach Programs (IOP). It is an intensive three-week course designed to introduce students from a wide range of academic and professional interests to issues and challenges encountered in an urbanizing area with plentiful natural resources. The Pacific Northwest Bioregion is a place of tremendous natural beauty with a human settlement history of thousands of years. However, urban development in the region has only occurred over the last 150 years. We are therefore perfectly situated as a 'natural laboratory' for studying and solving problems regarding the protection and use of natural resources, as well as social conflicts in an urban setting. Through first-hand experience, the Keio students will better understand pressures on natural resources in the Pacific Northwest and the impact of urbanization on the environment, improve their abilities to function using the English language, and broaden their horizons through a wide variety of valuable cultural and professional experiences. To accomplish these goals, students will learn from PoE instructors and guest teachers, work side by side with peer student assistants, and obtain communication skills from IOP instructors. These components are the core of our program:

1. *HUMANS AND THE ENVIRONMENT* taught by UW PoE Instructor

The state of Washington on the Pacific Northwest coast of the United States provides a dynamic and beautiful setting to study ecological and environmental issues. The Puget Sound Region's lush forests, multiple bodies of water and stunning mountain vistas will immerse students in an environment through which program concepts can be realized first-hand.

This course will offer a comprehensive overview of selected topics related to the human impact on the environment. The three themes of the program are 1) Northwest ecosystems critical for plants and animals (including humans), 2) cultural diversity of the Puget Sound, and 3) urban ecology in Seattle. The course is designed with the purpose of providing basic concepts, scientific principles, critical thinking, as well as different approaches to synthesis and characterization of the issues presented. The diverse ecology of the Pacific Northwest will serve as the setting for this investigation, with the intent that the skills acquired can be transferred to the environmental issues and challenges of other locales. In addition to the PoE instructor the course will be taught by a variety of professors and local experts from different fields of study. The course will also include in a visit to the UW Friday Harbor Lab Research Facilities (FHL) on the San Juan Islands for lectures, seminars, and hands-on experiences. Student experiences in the course will include:

- Visiting field sites to experience design and tools of ongoing ecological research
- Viewing environmental issues in urbanizing areas from the perspectives of different disciplines (including ecology, economics, geography, and urban planning)
- Comparing environmental patterns and processes from forest ecosystems to island communities to downtown Seattle

2. *DISCUSSION AND PROJECT PREPARATION* led by UW PoE Peer Student Assistants

Keio University students will work extensively with University of Washington Students who will be participating in the *Human Systems in the Northwest Bioregion Program* as their graduation project. They will lead discussions of the lectures and field activities, participate in program activities, and assist Keio students with their program projects. Individuals will work with their Keio and UW peers to develop their projects on specific topics related to overarching themes and will have the opportunity to present their research to the larger group.

3. *COMMUNICATION SKILLS FOR HUMAN SYSTEMS IN THE PACIFIC NORTHWEST BIOREGION PROGRAM* taught by UW English Language Specialist

This course will include the following components:

- Analysis and discussion of journal and newspaper articles related to the course lectures
- Oral presentation skills
- Strategies for effective discussion leading
- Participation in question and answer sessions
- Conversational fluency practiced in professional and networking contexts
- Effective research skills for preparing the program final project

TENTATIVE SCHEDULE

	Day	Date	Break-fast	Morning Activity	Lunch	Afternoon Activity	Dinner	Evening activity	Stay
1	WED	8/22		Arrival in Seattle from Tokyo Transportation from SeaTac to UW Pack Forest with Program Coordinators and PoE Peer Assistants by UW vans 11:30 a.m. Check into Pack Forest Cabins	12:00 Pack Dining Hall	1:00 Program Orientation and Welcome Reception with Coordinators in Pack Hall 2:00 Lecture on Pacific Northwest forest ecology and management with UW PoE Instructor 3:00-5:00 Old Growth Forest Walk with ecologist Tom Touse	5:30 Pack Dining Hall	Small Group Activity Pack Forest Recreational Activities (optional)	Pack Cabins
2	THU	8/23	7:30 Pack Dining Hall (pick up box lunch)	8:30 Depart for Mt. Rainier National Park 9:30 Lecture on Natural History of Mount Rainier with UW PoE Instructor 10:00 Group exploration of Mt. Rainier N.P. with peers and Instructors	Pack box lunch (meet back at Visitor's Center)	1:00 Drive through Mt. Rainier N.P. with additional stops 2:00 Return to Pack Forest 3:00 Forest Vegetation Sampling Activity in Pack Forest	5:30 Pack Dining Hall	Small Group Activity Pack Forest Recreational Activities (optional)	Pack Cabins
3	FRI	8/24	7:30-8:30 Pack Dining Hall	8:30 Depart Pack Forest for UW Campus in UW vans 11:00 Check in to UW dormitory	on own	1:30 - 2:50 Communication Skills for Humans in the Environment with ESL Instructor 3:00 - 4:20 Lecture 4:20-5:00 UW campus tour	on own	FREE (individual or small group research, reading, and/or interviews to prepare for next day sessions)	UW Dorm
4	SAT	8/25	UW	FREE (IOP suggests students do their own independent traveling as desired)	on own	FREE	on own	FREE	UW Dorm
5	SUN	8/26	UW	FREE	on own	FREE	on own	FREE	UW Dorm
6	MON	8/27	UW	9:00-10:20 Communication Skills for Humans in the Environment with ESL Instructor 10:30-11:50 Lecture	on own	1:30 meet at and walk to UW Aboretum for visit to restoration project and activities 4:30 return to dorms	on own	FREE (individual or small group research, reading, and/or interviews to prepare for next day sessions)	UW Dorm
7	TUE	8/28	UW	9:00 - 9:50 Communication Skills for Humans in the Environment with ESL Instructor 10:00 - 11:00 Lecture 11:00 walk to bus stop for trip downtown	at Pike Place Market (need to bring money or food)	1:00 Walking tour of ecological design projects 3:30 Tour of City Hall as sustainable building 5:00 return to UW campus	on own	FREE (individual or small group research, reading, and/or interviews to prepare for next day sessions)	UW Dorm
8	WED	8/29	UW	9:00 - 10:20 Communication Skills for Humans in the Environment with ESL Instructor 10:30 - 11:50 Lecture	on own	1:00 Meet at Burke Museum 1:15 Trip to 3 neighborhoods along I-90 corridor 5:30 arrive back at campus	on own	7:05 pm Mariners vs. Los Angeles (Game 3 of 3) - <i>Don't forget to make a banner if you want to be on TV in Japan!</i>	UW Dorm
9	THU	8/30	UW	9:00 - 10:20 Communication Skills for Humans in the Environment with ESL Instructor 10:30-11:30 Lecture 11:30 - 12:00 Final Project Assignment Review	on own	1:30 - 5:00 (or as arranged) Project preparation with UW peer assistants ()	on own	FREE (individual or small group research, reading, and/or interviews to prepare for next day sessions)	UW Dorm
10	FRI	8/31	UW (pack lunch)	9:00 - 10:00 Communication Skills for Humans in the Environment with ESL Instructor 10:15- 10:45 Lecture 10:45 Leave for Asahel Curtis Nature Trail	bring packed lunch for field trip	12:00 Continue fieldtrip to Asahel Curtis Nature Trail 5:00 return to UW	on own	FREE (individual or small group research, reading, and/or interviews to prepare for next day sessions)	UW Dorm
11	SAT	9/1	UW	FREE (IOP suggests students do their own independent traveling as desired)	UW	FREE	on own	FREE	UW Dorm
12	SUN	9/2	UW	FREE	UW	FREE	on own	FREE	UW Dorm
13	MON	9/3	UW	<i>Labor Day Holiday</i> FREE	UW	<i>Labor Day Holiday</i> FREE	on own	FREE	UW Dorm

14	TUE	9/4	UW	9:00 - 10:20 Communication Skills for Humans in the Environment with ESL Instructor 10:30-11:50 Lecture	on own	1:00 Walk to Waterfront Activities Center. Take boats out on Lake Washington for water quality measurements 4:30 return to dorms	on own	FREE (individual or small group research, reading, and/or interviews to prepare for next day sessions)	UW Dorm
15	WED	9/5	UW	9:00 - 10:20 Communication Skills for Humans in the Environment with ESL Instructor GROUP PHOTO 10:30-11:50 Lecture with UW PoE Instructor	on own	1:30-5:00 (Or as arranged) Follow-up activities for final projects with UW peer assistants	on own	FREE (individual or small group research, reading, and/or interviews to prepare for next day sessions)	UW Dorm
16	THU	9/6	UW	9:00 - 10:20 Communication Skills for Humans in the Environment with ESL Instructor 10:30-11:50 Lecture with UW PoE Instructor	on own	1:30-5:00 (Or as arranged) Follow-up activities for final projects with UW peer assistants	on own	FREE (individual or small group research, reading, and/or interviews to prepare for next day sessions)	UW Dorm
17	FRI	9/7	UW (pack lunch)	7:30 Meet at Burke Museum 7:45 Depart UW campus by van for UW Friday Harbor Research Facilities 10:00 Arrive Anacortes, Washington to take ferry to San Juan Islands 12:15 Arrive Friday Harbor, drive to UW Friday Harbor Laboratories (FHL)	Packed lunch for field trip	1:15 check into FHL dorms 2:00 Tour Friday Harbor Research Facilities 2:45 Welcome and Introduction to FHL 3:15 Lecture on Marine Science and Conservation	FHL	FREE (individual or small group research, reading, and/or interviews to prepare for next day sessions)	FHL
18	SAT	9/8	pick up breakfast and lunch in FHL cafeteria	6:00 (NOTE EARLY TIME!) leave FHL in UW vans for class on Intertidal Ecology 9:00 Visit Lime Kiln State Park	Box lunch	2:00 Return to Friday Harbor	FHL	FREE (Optional Hike on English Camp Trail)	FHL
19	SUN	9/9	FHL	8:30 Depart Friday Harbor Labs	on own	2:00 Arrive UW campus	on own	FREE	UW Dorm
20	MON	9/10	UW	9:00 - 10:20 Communication Skills for Humans in the Environment with ESL Instructor 10:30 - 11:50 (Group Activity)	on own	1:30 Results of Group Activity 3:00 pm Project preparation with UW peer assistants	on own	FREE (individual or small group research, reading, and/or interviews to prepare for next day sessions)	UW Dorm
21	TUE	9/11	UW	9:00 - 10:20 Communication Skills for Humans in the Environment with ESL Instructor 10:30-11:50 Discussion and project preparation with Instructors and peer assistants	on own	1:30-5:00 Project preparation with UW peer assistants	on own	FREE (individual or small group research, reading, and/or interviews to prepare for next day sessions)	UW Dorm
22	WED	9/12	UW	9:00-11:50 Final Presentations	on own	1:30 Final Presentations 3:00 Program debriefing and evaluations 5:30 Closing Ceremony dinner	UW	FREE	UW Dorm
23	THU	9/13	UW	Check out of dormitories 11:15 Meet in front of dormitory 11:30 Depart for SeaTac by Charter Bus	on own	Depart Seattle for Tokyo		in flight	

KEIO 2007 PROGRAM STAFF

Gregory Simon, Lead Instructor

Gregory (PhD candidate, Department of Geography, University of Washington) grew up in the San Francisco Bay Area. After receiving his BA in Economics from the University of California at Santa Cruz, Gregory spent a number of months teaching English to students and young professional in Vicenza, Italy. He returned to receive his Masters Degree in Environmental Science and Management (MESM) from the University of California at Santa Barbara. Here his thesis examined environmental justice issues resulting from innovative economic policies designed to combat urban air pollution.

After completing his Master's, Gregory went on to design and instruct the California High Sierra Project, a field-based program based out of UC Santa Barbara examining wilderness conservation and ecological management issues in the Sierra Nevada Mountains of California. Gregory has been teaching this program for the past six summers. In the meantime, Gregory has served as a National Science Foundation Fellow in Urban Ecology at the University of Washington where he has examined the politics and history of park planning in Seattle. His dissertation work has taken him to India on numerous occasions where he examines household energy issues and rural development programs in the state of Maharashtra. Throughout these experiences, Gregory's teaching background remains truly interdisciplinary having taught courses ranging from cultural geography to meteorology.

William Webb, PoE Lecturer

William (Bill) is a 5th year doctoral candidate in the Wildlife Science Ph.D. program in the College of Forest Resources at the University of Washington. Bill obtained his first undergraduate degree in English Literature at the University of California, Irvine. While obtaining his English degree, Bill took a number of elective courses related to Conservation Biology and was inspired to change his career focus. Since then, Bill has obtained a B.S. in Applied Ecology, a M.S. in Biology, and substantial work experience as researcher and wildlife biologist. Bill's graduate research on the Common Raven focuses on conservation issues. Bill has taught a number of courses in the biological and environmental sciences at community colleges and universities, and participates in the Urban Ecology Interdisciplinary graduate program at the University of Washington.

Rebeca Rivera, PoE Lecturer

Rebeca is a Ph.D. candidate in the Environmental Anthropology Program and a fellow in the Urban Ecology Program at the University of Washington, Seattle. She believes that understanding the relationship between social systems and the environment is vital to resolving environmental issues. Her dissertation research focuses on sustainable consumption practices within Seattle urban communities in order to understand the values, practices, and institutional structures that may lead to environmentally and socially responsible consumption. She is also involved in interdisciplinary team research on the process of second home, or vacation home, development in Washington State. Rebeca has team-taught an introductory course in urban ecology and lead course sections on environmental justice and ecological footprint. She has been a Teaching Assistant for courses in the natural and social sciences including fisheries, anthropology, and Asian American Studies.

David Secord, Program on the Environment Director

Cofounder of the Environmental Science degree program and Director of Program on the Environment (PoE) at the UW, David is an experimental ecologist whose field research

and teaching occurs on the spectacularly diverse rocky shores of the Pacific Northwest. His work has evolved in recent years from basic science to applied work in invasive species biology and policy, and includes population biology and ecological theory, evolution, and conservation biology. Among other projects, he and his students developed the world's first exhibition on marine biological invasions. He is currently working on a book on the history of human interactions with marine invertebrates.

Cheryl Wheeler, Program Director for International Outreach Programs

Cheryl Wheeler is the Program Director for the Keio Summer School program. She holds an MA in Southeast Asian Environmental Studies from the University of Oregon. Her Masters thesis was on Buddhist environmental ethics and sustainable agriculture in Northern Thailand. Cheryl speaks and reads Thai fluently. Before moving to Seattle in 2005, she worked at Payap University in Chiang Mai, Thailand where she directed study abroad exchange programs for outgoing Thai and incoming international students. In her free time, she enjoys exploring Seattle and the Pacific Northwest with her five year old son.

Gretchen Sorrels, Lead Program Coordinator

Gretchen Sorrels is a Lead Program Coordinator for International Outreach Programs, and will serve as the logistical manager for Keio's Humans in the Environment Program. Gretchen is a native Seattleite with BA's in French and Comparative Literature from the UW. She has studied and worked abroad in Mexico and France. Gretchen coordinates multiple international student programs each year and enjoys sharing Seattle and the Pacific Northwest with people from all over the world.

University of Washington Peer Assistants (to be recruited in April 2007)

An integral part of the Humans in the Environment program will be the involvement of up to six University of Washington students who will serve as discussion facilitators and subject leaders during the program. Keio students will have the opportunity to work closely with the Peer Assistants to develop their program projects. The Peer Assistants will participate in most program activities and will be present for all site visits and overnight field trips.

PARTICIPATING UW DEPARTMENTS

The Program on the Environment

The Program on the Environment (PoE) was established in 1997 to foster and promote interdisciplinary environmental education at the University of Washington (UW). PoE offers an undergraduate degree in Environmental Studies, a Minor in Environmental Studies, and two graduate certificate programs. In addition, PoE serves as a focal point for information exchange on environmental education and research opportunities at UW.

PoE's programs provide students knowledge in four domains of inquiry: natural sciences; social sciences; law, policy, and management; and ethics, values, and culture. PoE merges these fields through rigorous coursework and hands-on learning within the

community to provide a unique opportunity for students and faculty to explore complex environmental issues from multiple perspectives.

As a focal point of environmental studies at UW, the Program on the Environment is well positioned to bring campus and community together and to educate future environmental leaders.

International Outreach Programs

For more than twenty years, the UW International Outreach Programs has been developing customized programs for institutions by combining our educational and planning expertise with new ideas brought to us by universities wishing to send their students abroad.

In today's expanding global market, international experience is becoming essential to an individual's academic and professional career. International Outreach Programs creates customized long- and short-term academic programs that help students and professionals meet the ever-changing intellectual demands of the globalized world. We design programs that inspire the individual, promote global understanding and foster strong and long-lasting interpersonal and professional relationships for the future.