

Institute of Environmental Sustainability Operations Report 2016 Accomplishments and 2017 Goals



AY16/17 Accomplishments - Curricular

- ❑ New Minor - Sustainability Management (29 students)
 - 12 Quinlan, 16 IES, 1 CAS
- ❑ Major Revisions to the ENVS Core
 - Biology – 2 semesters lecture & lab
 - Chemistry – 2 semesters lecture & lab
 - Environmental Chemistry w/lab
 - Environmental Statistics
 - Environmental Careers & Professional Skills

- Environmental Ethics was added to the University Core
- Environmental Journalism now WI



AY16/17 Accomplishments – Staffing

□ New Faculty & Staff

- Zhenwei Zhu, Analytic Chemist
- Dan Amick, Associate Dean of Faculty
- Laura Brentner, Theresa Johnston and John Zahina-Ramos FT Lecturers (1-year appointments)
- Tim O'Brien, Professor of Statistics – 50% IES
- Max Melstrom, Asst Prof Ecological Economics
- Laura Brentner, FT Lecturer (permanent)
- Theresa Johnston, FT Lecturer (AY17/18)



AY16/17 Accomplishments - Facilities

□ Space/Facilities

- LETL became accredited by Am Society of Soil Science
- Purchased new research grade analytical instruments
 - 3-channel Lachat Autoanalyzer (NO₃, NH₄, PO₄, Cl)
 - Upgraded GC w/ autosampler and computer (CO₂, CH₄, H)
- 16 new Laxco stereoscopes & 5 binoculars for LUREC
- New teaching station w/stereo and compound microscopes, camera & projector for LUREC
- IES teaching labs 217 & 218
 - pH, turbidity and DO meters
 - 3 plankton nets
 - Requested supplies
 - Acid digestion hot block



AY17/18 Goals – Curricular

- ❑ Separate majors and non-majors in 5 Tier II courses by spring 2018
- ❑ Clarify the differences between UCSF 137 and ENVS 137
- ❑ Remove mandatory EL from 283 (Env Sust) & 325 (Sust Ag)
- ❑ Cross-list PLSC 392 Env Politics with ENVS
- ❑ Cross-list Steve Mitten's ENVS courses with BIOL
- ❑ Refine Capstone goals and consider AIDA
- ❑ Develop an Environmental Health course to interface MPH
- ❑ Offer new/more upper 300-level courses
 - Hydrology (Gajan Sivandran, Engineering)
 - Natural Resources Management & Law (Brendan Dailey, MWRD)
- ❑ Develop, hire 16 clinical faculty, & market 4 certificate programs
 - Sustainability Assessment & Reporting
 - Environmental Health
 - Environmental Consulting
 - Environmental NGO Leadership



AY17/18 Goals – Faculty & Staff

- ❑ Hire FT Graduate Assistant for OoS
- ❑ Request FT TT line (ENV Policy/Law)
- ❑ Develop a New Faculty IES Orientation Program
- ❑ Develop a Faculty Development Program
- ❑ Evaluate the Dean
- ❑ Hire a Director for Online and Certificate Programs
- ❑ Hire and train 16 Clinical faculty for certificate programs



AY 17/18 Goals

❑ Space/Facilities

- 3 new faculty offices, NW corner, 2nd floor IES
- Microscope cabinets in IES 217/218
- Need an Hg analyzer w/computer

❑ Marketing

- MPH, MBA, MPP (within IES)
- New Certificate Programs

❑ Fundraising

- Meet with EVP Damon Cates
- Develop new Development Plan for IES & LUREC
 - Student internships and scholarships
 - Program endowments



AY17/18 Goals

□ Policy Development

- Teaching credit for Undergrad Research, Internships, and Independent Study
- IES By-Laws
- Using undergrad TAs in classes
- Teaching laboratory space and materials sharing/ordering (including Arrupe)

□ Program Development

- STEP: Innovation Lab
- Loyola Environmental Testing Lab

