Faculty Development
Engineering Dean’s Institute
2012

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1. Leadership Training
   A. NSF sponsored workshop for early faculty development in late 90’s
   B. Anderson Consulting Faculty Fellowship
      i. Innovative Teaching Methods from Consulting
      ii. Developed Goal Based Learning for implementation into Engineering Curriculum
   C. AAAS Science and Technology Policy Fellows Program
1. Categorized by program area, the executive branch agencies listed below anticipate hosting and funding first-year Fellows in collaboration with AAAS.
   i. Congressional-work on Capitol Hill, supported by IEEE, ASCE, etc…
   ii. Diplomacy-U.S. AID and Department of State
   iii. Security & Development
   iv. Energy – Department of Energy
   v. Environment & Agriculture-EPA and Department of Agriculture
   vi. Health-NIH
   vii. Education & Human Services-Dept. of Education and NSF
   viii. Roger Revelle Fellowship in Global Stewardship-White House
   ix. Diplomacy, Security & Development Program
Other Fellowship Opportunities for Faculty

1. Jefferson Science Fellowship
   http://sites.nationalacademies.org/PGA/Jefferson/index.htm
2. Boeing Welliver Faculty Fellowships
   http://www.boeing.com/educationrelations/
3. American Council for Education Fellowship
   http://www.acenet.edu/AM/Template.cfm?Section=Fellows_program1
4. National Security Science and Engineering Faculty Fellows
   http://www.ndep.us/ProgNSSEFF.aspx
5. Air Force Summer Faculty Fellowship Program
   https://sffp.asee.org/about
6. ONR Summer Faculty Research and Sabbatical Leave Program
   http://onr.asee.org/
Harvard Management Development Program: Goals

i. Identify the characteristics of effective leadership in higher education
ii. Develop and manage effective leadership teams
iii. Identify the features of “change-friendly” institutions that foster institutional transformation
iv. Understand your optimal role in planning initiatives
v. Analyze financial data and understand how funds are allocated and budgets are created
vi. Consider the ethical dimensions of educational leadership
vii. Identify the conditions—both individual and institutional—that increase opportunities for professional development and personal transformation
viii. Function as an effective change agent
Leadership Training offered by Harvard College of Education for Higher Ed.

1. Inner Strengths of Successful Leaders
2. Performance Assessment in Higher Education
3. Performance Assessment Leaders and Managers
4. Crisis Leadership in Higher Education
5. Institute for Management and Leadership in Education (MLE)
6. Institute for Educational Management (IEM)
California State University, Los Angeles

Faculty Development Issues

1. 14 faculty hired in 6 years
2. 75% of faculty hired in past 15 years
3. 15 retirements in past 10 years
California State University, Los Angeles

Faculty Development Solutions

1. Increase leadership opportunities
2. Faculty directors - 3 positions appointed by dean in. Consultation with chairs
   1. Graduate Programs and Assessment
   2. Research and Sponsored Programs
   3. Professional Practice
3. Associate chairs in Departments
4. Research center and group leaders - 8 leaders identified
5. CSU New chairs orientation system wide
6. Center for Teaching and Learning on campus
7. Leadership seminars series for faculty and students
8. Faculty retreats annually for sharing best practices
9. Executives in residence to mentor and coach young faculty
10. Joint PhD program driven by faculty
11. Leading the discussion on curriculum transformation
12. Industry fellows / summer work for faculty - professional practice
13. Faculty development fund $1500 per faculty per year provided by University
1. Leadership Seminar Series
2. Increase faculty participation
3. Develop a culture of leadership
4. New MS Degree in Technology Leadership