Engineering Office of Research & Graduate Programs Review and 2013-2014 Goals

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Review of 2012-2013 for ERGP

• Revision of Scope in August 2012 – EES → ERGP
• Goals for 2012-2013
  1. Increase Communications
  2. Develop Inventory for Research, Graduate Programs and Distance Education
  3. Develop an Engineering Graduate Student Culture
Increase Communications

• New Listservers
  – Graduate Students
  – Various Committees

• More Communications of Activities and Services
  – Monthly Meetings with Graduate Coordinators
  – Regular Meetings with Safety and Distance Ed Reps
  – Increased services – Editor and WebEx
  – Monthly congrats letters to PIs

Increase Communications (con’t)

• Faculty Development
  – Untenured Faculty Activities
    • Monthly Activities
    • Washington DC Trip
    • CAREER Workshop
    • Proposal and funding support

  – Staff Support
    • Bimonthly Research Staff Meetings

• NAE & Eyestone Lectures
Develop Inventory for Research, Graduate Programs and Distance Education

• Investigated data sources and tools available to develop some numerical metrics for tracking
• Working with university level administrators and other ADRs on developing equipment and expertise database
• Interacting with departments and additional outreach through federal expressions of strength process

Research Areas

High Performance Computing/Big Data
Advanced Manufacturing and Materials
Systems and Networks

Cyber-Security Research and Training
Nuclear Engineering & Sensors
Energy
Transportation
STEM Education
Environment

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Develop an Engineering Graduate Student Culture

- Graduate Student Advisory Council
- Graduate Student Events
  - Professional and Social
  - Engineering Graduate Student Graduation Reception and Gift
  - Connecting and Leveraging GSC events
  - Increased visibility around campus for engineering research and graduate programs

Key Activities for 2013-2014

- Continue activities from 2012-2013
- Developing and Enabling Evolution from one/two PI to larger research efforts
- Creating effective marketing and communications materials (paper & electronic) on Research and Graduate Programs
- Coordinated Efforts for Recruitment of Graduate Students
- Develop college level strategies related to Distance Education and Safety
Developing and Enabling Evolution from one/two PI to larger research efforts

• Working with ORSP to identify large grant opportunities early
• Seminars related to state and federal “big” opportunities
• Collaboration Grants to create regular interactions in strength areas
• Seminars/Info Sessions related to Engineering Centers as well as collaborations outside engineering

Creating effective marketing and communications materials (paper & electronic)

• Update College Research and Graduate Program Webpages
• Develop boilerplate PowerPoint on Engineering Research and Graduate Student data and information for distribution internally and externally. Increased presence in Fact Book
• Develop one page handouts on engineering and each department related to research & graduate programs
• Develop communications plan for disseminating information within K-State and beyond
• Create social media and video content related to research and graduate programs
What should be in boilerplate information for Research & Graduate Programs?

- **Audiences**
  - Internal
  - Visitors to Campus
  - Engineering Visits Off Campus
  - Non-Engineering Groups Off Campus
  - Consistent Message

- **Types of Materials**
  - PowerPoint library
    - General
    - Specific
      - By Strength Area
      - By Department
      - By Faculty Member
  - One Page handout
  - Other

What should be in boilerplate information for Research & Graduate Programs?

- **Intro**
- **Graduate #s**
- **Research**
  - Strengths
  - Funding Agencies including industry
  - Numbers
    - Expenditures
    - Proposals
- **Corporate & University Collaborations**
- **International Collaborations**

- **Specific Slides**
  - One Summary Slide on Strengths
  - Detailed Slides on Strengths
  - Summary Slide on Departments/Centers
  - Detailed Slides on Departments/Centers
Coordinated Efforts for Recruitment of Graduate Students

- Create effective recruitment materials that can be used for all engineering departments
- Grow our own
  - Undergraduate Exposure to Graduate School Options
  - Undergraduate Research Opportunities
- Coordinated Efforts for International Recruitment in 2-3 countries
  - Work with current students and faculty from those countries
  - Work with Graduate School and International Program Office to leverage their activities for engineering recruitment
  - Developed targeted visits as possible – (Indo-Global Conference)

Develop college level strategies related to Distance Education and Safety

- Engineering Strategy for DCE – Fall 2013 for Provost
- Training on DCE Best Practices
- Improve College Safety Climate
  - Student Team Training
  - Department and Faculty Expectations
Looking Forward to a Great Year!

- Lots of new faculty
- Gaining momentum from last year
- Working to balance UEIP and K-State 2025 will continue to be fun and challenging 😊
- Let me know how our office can help you and your faculty!

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