College Update: Education

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Associate Dean for Education

Engineering Advisory Council
26 September 2008
Scot Douglass: “Students chose CU over UC Berkeley, Northwestern, UCLA, Naval Academy, UT Austin, because of our Honors Program…”

- Honors Program—Year 3
  - 48% of second/third-year students engaged with first-year
    - 65 total second/third year students
    - 58 first-year mixed with nine soph/junior mentors in Hallett Hall
    - Recitation for the first-year “Critical Encounters” course recitation led by 27 second/third year students
  - Andrews Hall renovation to be completed in June
    - 229 beds are dedicated to engineering honors (70 for first-year)
Graduate Students

First Best Dissertation Award, May 2008
Kurt Smith: “Both undergraduate and graduate courses are full with students eager to learn entrepreneurial professional skills...”

- 41 undergraduate (25 expected)
- 35 students in graduate program (expected 15-20)
- Raised first $25k
- Local engagement
  - Techstars
  - Multiple local businesses signed on to provide mentorship and internships
  - New Venture Challenge: University-wide business plan competition led by the Law and Business Schools and CEAS
- Core Advisory Board
  - Local business leaders (including Juan Rodriguez)
CU-MSC Coordinated Program

• CCHE approval pending (Oct 08)
• Students
  – 40 pre-engineering (expected ~20)
• Faculty
  – Gigi Richard, MSC Faculty Director
  – Daria Kotys-Schwartz (ME), CU Faculty Director
  – Program Director TBD
  – Upper-division instructors (2) TBD
• Courses
  – GEEN 1400 will be taught at MSC in Spring 09
Educational Initiatives

• NSF Education Innovation Grants
  – One Day’s Pay: Educating K-16 Engineers to Create Affordable Innovations
  – Redshirt Transitional Program: Creating Engineering Capacity and Expanding Diversity through Strategic Partnerships

• NSF CCLI Phase 2 Grant (Applied Math)
  – Colorado Momentum: Oral Assessment in the Mathematical Sciences Classroom

• Engineering Education Research Group
  – A forum for discourse on engineering education research, assessment, and teaching