

**Emerging National Concerns for
Higher Education
(and Welcome Back)**

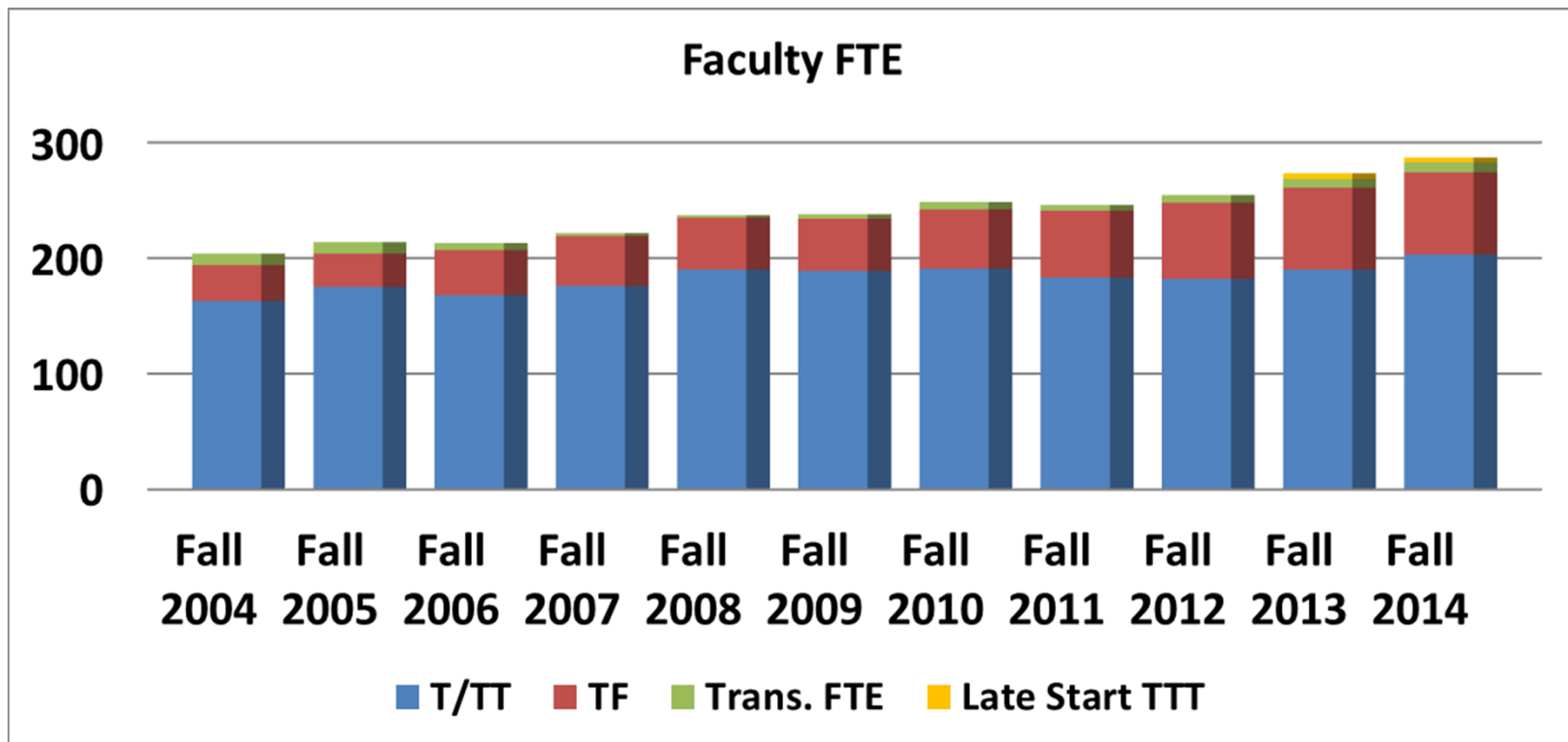


COLORADO SCHOOL OF MINES
EARTH • ENERGY • ENVIRONMENT

2014 Annual Faculty Conference
Terry Parker, Provost



Mines by the numbers: Faculty



- Last three years: 30+ searches per year
- This year: 30+ searches



Mines by the numbers: the message is we are doing well

- **Faculty: ~283 today**
- **Total full time employees ~850**
- **Students**
 - ~4200 undergrads
 - ~1300 grads
- **Undergrad applicants: 13000+**
- **Overall Yield: 24+%**
- **Improved demand for our graduate degrees**
- **Research \$58M**
- **Retention of freshman: 93.8% (predicted)**
- **Fall 2013 cohort**
 - **~~52% predicted 4-year graduation rate**
 - **Highest prior graduation rate 46% (2010 cohort)**



Capital Infrastructure has been a focus area to properly support the total campus

- Funding for Academic buildings has been a mix of fee based and private donation
- We continue to actively manage our space portfolio to meet current needs

Major Projects 2009 - 2014

• Marquez Hall & Classroom Wing	\$37.6M
• Brown Hall	\$32M
• Maple Hall	\$28M
• Weaver Hall	\$10M
• W. Lloyd Wellness Center	\$3.2M
• CSE Wind tunnel	\$1.2M
• Pedestrian Plaza	\$1M
• F Lot parking improvements	\$1M
• REMRSEC laboratory	\$800K
• Hill Hall Cleanroom	\$750K
• 2012-14 Academic infrastructure	~\$6M
• Stadium	\$22M
• Elm Hall	\$30M
• Major Academic Building	\$45M



The last ten years have been challenging for higher education

- What was “special” about the last ten years
 - Nationwide decline in state funding
 - Nationwide significant rise in tuition
- But we have done well: WHY?

- Funding decline, 1980 to 2011 by state*
 - Colorado 69.4%
 - South Carolina 66.8%
 - Rhode Island 62.1%
 - Arizona 61.9%
 - Except for North Dakota and Wyoming, all states cut funding by 14% or more

* “State Funding: A Race to the Bottom,” Winter 2012, American Council on Higher Education



We have also responded to these external forces

- **Focus on Tuition**
 - Tuition went up
 - Resident/non-resident mix
 - Student body size
 - Program to increase graduate student population
- **Emphasis on Graduate programs and research**
- **Focus on Quality of student experience**
 - Faculty hiring
 - Residential campus
 - And more
- ***This is all old news***

- **The STEM tide has been kind to us**
- **The Energy boom plays to our strengths**



What are the forces that will shape us in the future?


- **C**ost
- **C**alls for accountability
- **C**ompetition for students
- **C**oncern over business practices
- **C**ompliance



- **Public “concern” over the cost of higher education**
 - Tuition increases that are much closer to CPI
 - National emphasis on the publics in terms of cost of attendance
 - Concern over access and affordability
- **The cost dilemma:**
 - 1.1 trillion in student loan debt today compared to 0.25 trillion in 2003
 - Rising concern over debt capacity for campuses
 - July 2014, Moody’s “negative outlook for US Higher Education”



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- **States moving to performance based funding**
 - 24 states with this model, 4 states prior to 2010
 - This will primarily be a redistribution
 - Public (and legislative) concern over graduation rates and time to graduate
 - Focus on assessment



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The number of high school graduates peaked in 2011

- **S**oftening enrollment trends nationwide
 - Down 0.8% nationally, 2.1% in Colorado, change in Colorado demographic
- **C**U Boulder announces plans to double the size of the College of Engineering
- **D**U: “double down” with investment in new Engineering building
- **W**here will the **STEM** tide take us?



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- **National conversation regarding adjunct faculty**
 - We are moving away from the adjunct model
- **Health Care Reform**
 - Navigating complex change



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- **Alphabet soup of Agencies and concerns**
 - The “good old days” of anything goes or “act and then ask for forgiveness” are gone



How should Mines respond to these forces

- **We are well positioned (the future is ours to lose)**
 - Record fund raising
 - Record research
 - High student academic profile
 - High demand for our degrees
 - Increasing national and international reputation
 - We now offer high quality residential, social, and support services
 - Very high ROI
 - **Highly qualified, dedicated faculty**
 - **Dedicated staff**



How should Mines respond to these forces

- **Quality in Degrees and Programs**
 - **Key to Tuition security**
- **Continued focus on non-resident admissions**
- **Continued careful allocation of resources**
- **Revenue growth where it enhances our brand**
 - **And where there is capacity to serve the activity**
- **AND.....ongoing efforts to execute our strategic plan**