



Annual Graduate Faculty Meeting

“Challenges Facing Graduate Education”

October 20, 2010

Patricia R. Komuniecki, Ph.D.
Vice Provost for Graduate Affairs
Dean, College of Graduate Studies



Topics

- COGS Updates
- Strategic Planning-Directions 2010
- Challenges
 - Fiscal Issues
 - UT Program Review
 - NRC Doctoral Program Rankings
- “The Path Forward”-Future of Graduate Education in the US”

COGS-Quick Stats Fall 2010

- **Graduate Faculty-** 746 (increase from 714 fall 2009)
- **Graduate Students-** 4,955 headcount
- **Degrees awarded 2009-10:** 1,580
102 Doctoral, 1,033 Master's, 445 First Professional (increase from 1,411 last year)
- **FY11 Budget: \$23.5M**
\$7.2M-stipends and \$16.3M-tuition scholarships

COGS- Fall 2010 Enrollments

- **Enrollment:** 4,955 Headcount, 3,866 FTE
- **Diversity:** 57.7% White, 12.7% Ethnic Minority, 14.9% unknown (includes international)
- **Gender:** 55.7% female, 44.3% male
- **Residency:** 70.6% in-state, 15.2% out-of-state, 14.1% international
- **Load:** 67.2% full-time, 32.5% part-time

Graduate Students

- o Midwest Graduate Student Research Symposium:
 - First one held March 20, 2010
 - Upcoming symposium will be on March 26, 2011
- o Travel Support: \$10,000 COGS set-aside/ administered by GSA
- o Scholarship/Fellowships:
 - o University Fellowships (10 awards-5 new)
 - o GOAP Awards (20 awards-10 new)
 - o COGS link to extramural funding opportunities-NEW

Professional Development 2010-11

14 programs/workshops:

- Foundation Programs (3)
- Career Planning Programs (4)
- Graduate Writing Workshops (3)-NEW
- Thesis/Dissertation Workshops (4)

http://www.utoledo.edu/graduate/files/Prof_Developmt_Flyer_2010_2011.pdf

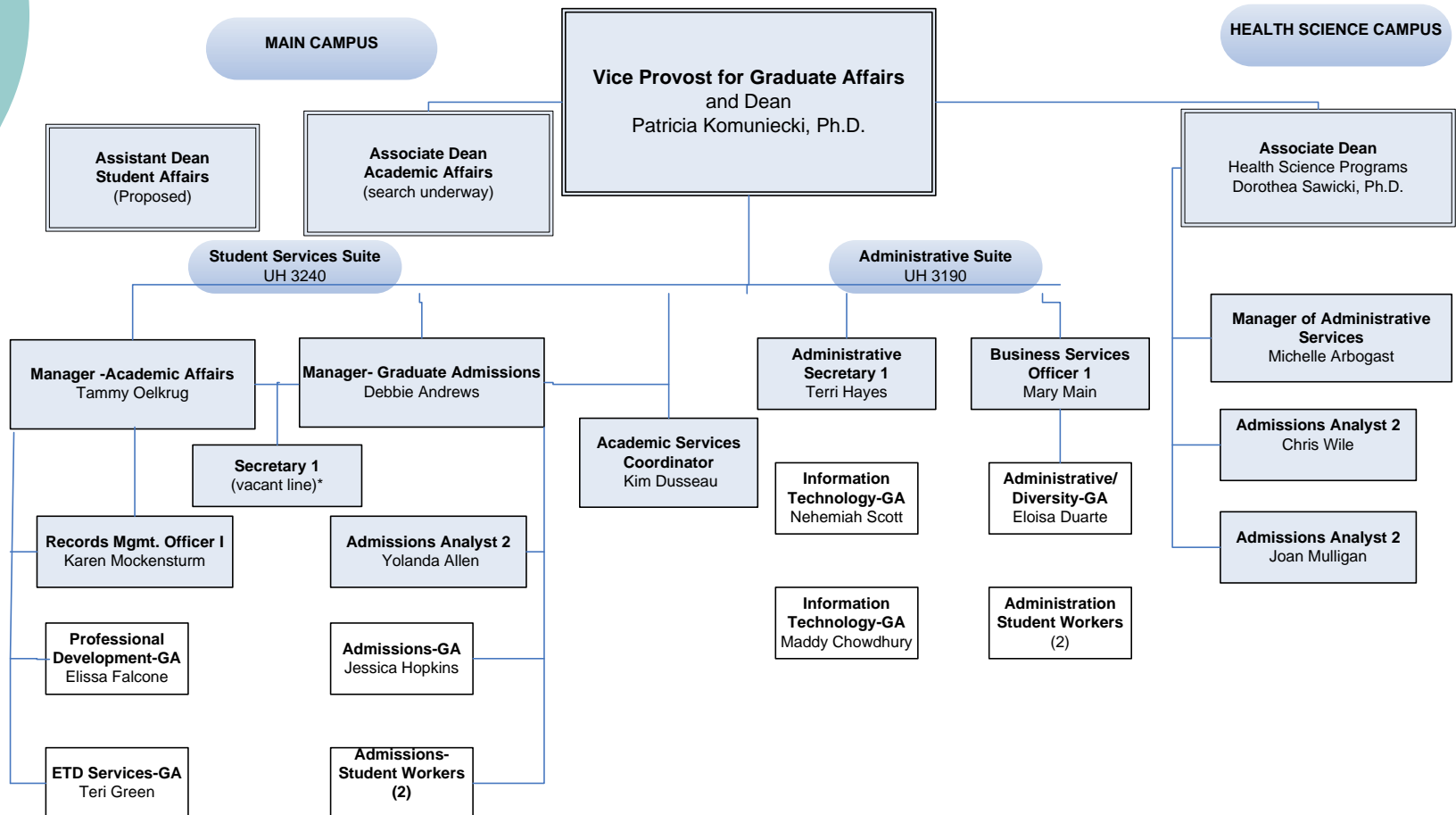
COGS-News

- **Admissions:** New On-line Application August 2009 (98% of apps!)
 - Processed ~3,400 applications total
 - Main Campus: 2,435 applications and 769 admits (~30% overall acceptance rate)
 - Health Science Campus: 964 applications and 237 admits (~25% overall acceptance rate)
- **New Degree:** PSM in Photovoltaics
- **New AY 2009-10 Catalog:** Updates to 2006-08 catalog almost completed
- **Theses/Dissertations:** New ETD upload to OhioLink required since May 2010

COGS Organization Chart

Fall 2010

COLLEGE OF GRADUATE STUDIES



UT-BOT Resolution

January 25, 2010

- o ...Be it Resolved

“The University of Toledo Board of Trustees charges the President of the University to work, as appropriate, with administrators, faculty and staff to accelerate fundamental, transformative and sustainable changes to elevate the stature of the undergraduate and **non-professional graduate programs** during fiscal years 2010-12 to create a vibrant institution thriving into the 21st century.”



Strategic Planning Directions 2010-Goal 2

- The graduate and professional academic programs at UT will be regionally relevant, nationally distinguished and highly ranked.
- These programs will be known for high quality while maintaining accessibility, affordability and engagement. STEM and professional programs will have high visibility.

Goal 2 Workgroup

- Barbaranne Benjamin (HSHS)
- Lesley Berhan (Eng)
- Karen Bjorkman (A&S)
- Jeanne Brockmyer (A&S)
- David Chatfield (Bus)
- Jiquan Chen (A&S)
- Hassan Hassabelnaby (Bus)
- Heather Karns (Law)
- Cynthia Knechtges (Ph.D. student/Edu)
- Susan Martyn (Law)
- Thihal Ponnaiyan (Ph.D. student/Eng)
- Mary Powers (Pharm)
- Thea Sawicki (Medicine)
- Mark Templin (Edu)



Goal 2: Subgoals

- 2.1. The graduate and professional academic programs will be recognized for their **high quality**.
- 2.2. The graduate and professional academic programs **will be affordable**.
- 2.3. The graduate and professional academic programs **will be accessible to a diverse student population**.
- 2.4. The graduate and professional academic programs will be recognized for their **role in economic leadership and efforts to stimulate the regional economy**.

Goal 2: Selected 'Strategies and Metrics'

2.1h Use institutional program review outcomes to inform strategic reallocation of funding to programs.

Metric/Milestone:

- i. Doctoral Program Review will be completed by 2011.
- ii. Master's Program Review will be completed by 2012.
- iii. An ongoing review cycle will be established.
- iv. Data from Program Review will be used to implement strategic reallocation.

Goal 2: Selected 'Strategies and Metrics'

2.2b. Annually evaluate the strategic allocations of funding to graduate/professional programs to maintain affordability.

Metric/Milestone:

- i. Identify the optimal number and distribution of graduate/professional students to support fully (e.g., assistantships, stipends, scholarships, support for attending conferences, and research)
- ii. Identify the number of graduate/professional students to partially support (e.g., tuition scholarships for adult learners and part-time students).
- iii. Establish competitive stipends: essential in STEM areas

Goal 2: Selected 'Strategies and Metrics'

- 2.3d. Develop a specific marketing campaign to identify a high quality diverse pool of applicants.

Metric/Milestone:

- i. Work with Marketing and Communication on new 'MORE' campaign by 2011.
- ii. Publicize Graduate Assistantship Opportunity Program (GOAP) and the McNair Scholar Program.
- iii. Improve marketing and resources for non-traditional students/adult learners.

Goal 2: Selected 'Strategies and Metrics'

- 2.4a. Enhance University relationships with regional, national and global institutions.

Metric/Milestone:

- i. Increase real world experience and mentorship opportunities for graduate and professional students, as well as postdoctoral fellows.
- ii. Explore academic partnerships with neighboring academic institutions.
- iii. Seek external partnerships to support graduate and professional programs.
- iv. Work with the Office of Global Initiatives on opportunities to study in other countries.

Challenge #1

Fiscal Issues

- FY11-The State of Ohio has informed all USO institutions that the 12th subsidy payment expected in June 2011 will be 'deferred' until after July 1, 2011 (likely not to occur at all).
- FY12-The State of Ohio projects an \$8B budget shortfall that would result in a \$12-18M shortfall in subsidy return to UT.

Challenge #1

Fiscal Issues-cont.

- COGS FY11 budget for student support was \$23.5M (\$7.2M for stipends and \$16.3M for tuition)
- 80-85% covers continuing students
- Possible FY11 and FY12 budget reductions? Likely- colleges just asked for 1.5% reductions for FY11 (by 11/1/10)
- **Reminder:** COGS GA funding caps-2 years for Master's and 5 years for Ph.D. students); this encourages timely degree completion & maximizes funding available for recruitment of new students

Summary of COGS Allocation 2007-11

UNIVERSITY OF TOLEDO					
COLLEGE OF GRADUATE STUDIES					
History of Allocation					
	FY 07 Budget Allocation	FY 08 Budget Allocation	FY 09 Budget Allocation	FY 10 Budget Allocation	FY 11 Budget Allocation
Stipend Funds	\$ 7,219,472	\$ 7,471,472	\$ 7,471,472	\$ 7,034,599	\$ 7,204,599
Tuition Funds	\$ 12,225,200	\$ 13,366,078	\$ 13,868,533	\$ 16,770,691	\$ 16,300,504
Total Funds for Allocation	\$ 19,444,672	\$ 20,837,550	\$ 21,340,005	\$ 23,805,290	\$ 23,505,103

Challenge #1

Fiscal Issues-cont.

OBR-new doctoral subsidy formula effective FY11 (10% phase-in until 2021):

- o 50% weight on degree completion (not on enrollment growth)
 - o 25% weight for research funding (based on the NSF expenditure report)
 - o 25% weight for program quality (including program review)
-
- o **Reminder:** Full-time students should register for 12 hours



Challenge #2

UT Graduate Program Review

- AY 2010-11 Doctoral Program Review
- AY 2011-12 Master's Program Review
- February 2012-Higher Learning Commission Site Visit
- AY 2012-13 UT Program Review Cycle (Grad linked with UG by program)

Challenge #2-UT Doctoral Program Review-Timeline

- Spring 2010- Process initiated (COGS/Graduate Council outlined process/criteria/outcomes)
- Summer 2010- Data gathering (COGS/IR)
- Fall 2010- College reviews/additional narrative (Academic Colleges Deans/Chairs)
- Fall 2010/Spring 2011- Review of doctoral programs (COGS Dean/GC Program Review Committee)
- Spring 2011- Recommendation to the Provost (COGS Dean)

Challenge #2- UT Doctoral Program Review-Outcomes*

- **High Quality:** Doctoral programs that stand out in terms of overall quality, planning, focus, and have the potential to enhance the standing of the university.
- **Strong:** Doctoral programs that are noted for their strength and potential to enhance the reputation of the university, but which may need to address aspects of program focus or structure.
- **Good:** Doctoral programs that are doing reasonably well and appear to have viable plans for moving ahead.
- **New and/or Developing Programs:** Doctoral programs that are in a state of transition or are too new for a full assessment at this time.
- **Reassess and/or Restructure:** Doctoral programs with significant problems in terms of their current structure or mission or connection with other programs.
- **Disinvestment or Elimination:** Doctoral programs or specialization tracks within a doctoral program that have significant problems and are candidates for disinvestments unless solid plans for addressing their problems are developed.

*Modified from the OSU 2008 process

Challenge #3

NRC Rankings

Release of 2005-06 NRC Data-Based Assessment of Research Doctorate Programs (9/28/10)

- **Scope:** 5,000 programs at 212 institutions, spanning 62 fields
- **New methodology-** not comparable to past NRC surveys (1995 was the last survey)
- **Rankings** not an ordinal #, but rather a range between X (5th) and Y (95th) percentiles

<http://sites.nationalacademies.org/pga/resdoc/index.htm>

Challenge #3

NRC Rankings cont.

Caveats:

- Based on 2005 data!! (pre-UT/MUO merger)
- Examined 20 variables, including
 - **research activity** (faculty metrics such as grants/publications...)
 - **student support & outcomes** (funding, time to degree, placement ...)
 - **diversity of academic environment** (gender & ethnicity of faculty & students)



Challenge #3

NRC Rankings-cont.

- **"S" Ranking** (survey-based):
based on faculty ratings of the importance of each of the 20 variables
- **"R" Ranking** (regression-based):
each program's rating was calculated using 'random-halves'/500 iterations

NRC Categories/Variables

- **Research Activity:**
 - Publications/faculty (V1)
 - Citations/publication (V2)
 - Percent faculty with grants (V3)
 - Awards/faculty (V7)
- **Student Support & Outcomes:**
 - % 1st year students with full support (V9)
 - % completing w/in 6 years (V15)
 - Time to degree (FT and PT) (V16)
 - % students in academic positions (V17)
 - Program collects outcomes data



NRC Categories/Variables

- **Diversity of Academic Environment:**
 - % non-Asian minority faculty (V5)
 - % female faculty (V6)
 - % non-Asian minority students (V11)
 - % female students (V12)
 - % international students (V13)

NRC Ph.D. program rankings

Non-UT examples

Program	"S" Ranking	"R" Ranking	Research	Student Support/ Outcomes	Diversity of Learning Envir.
English Lang/Lit (OSU)	42-79	21-62	73-98	4-70	22-62
Sociology (UM)	6-16	5-11	8-16	42-81	21-48
Chemistry (Miami- OH)	141- 172	11-162	128-171	60-147	86-152

NRC Ranking Outcomes

Recommendations:

- Each program should evaluate their own program by examining the actual data set
- COGS will continue to assess the data sets in a historical context (where we were 5 years ago); if any red flags are seen, the program will be notified
- COGS will continue to evaluate UT programs vs. other USO/MAC institutions (will report back to Graduate Council)



“The Path Forward-Future of Graduate Education in the US”

- Commission on the Future of Graduate Education in the United States
- Combined effort of CGS and ETS with university senior administrators and industry/higher education leaders
- Report released in late April 2010
www.fgereport.org

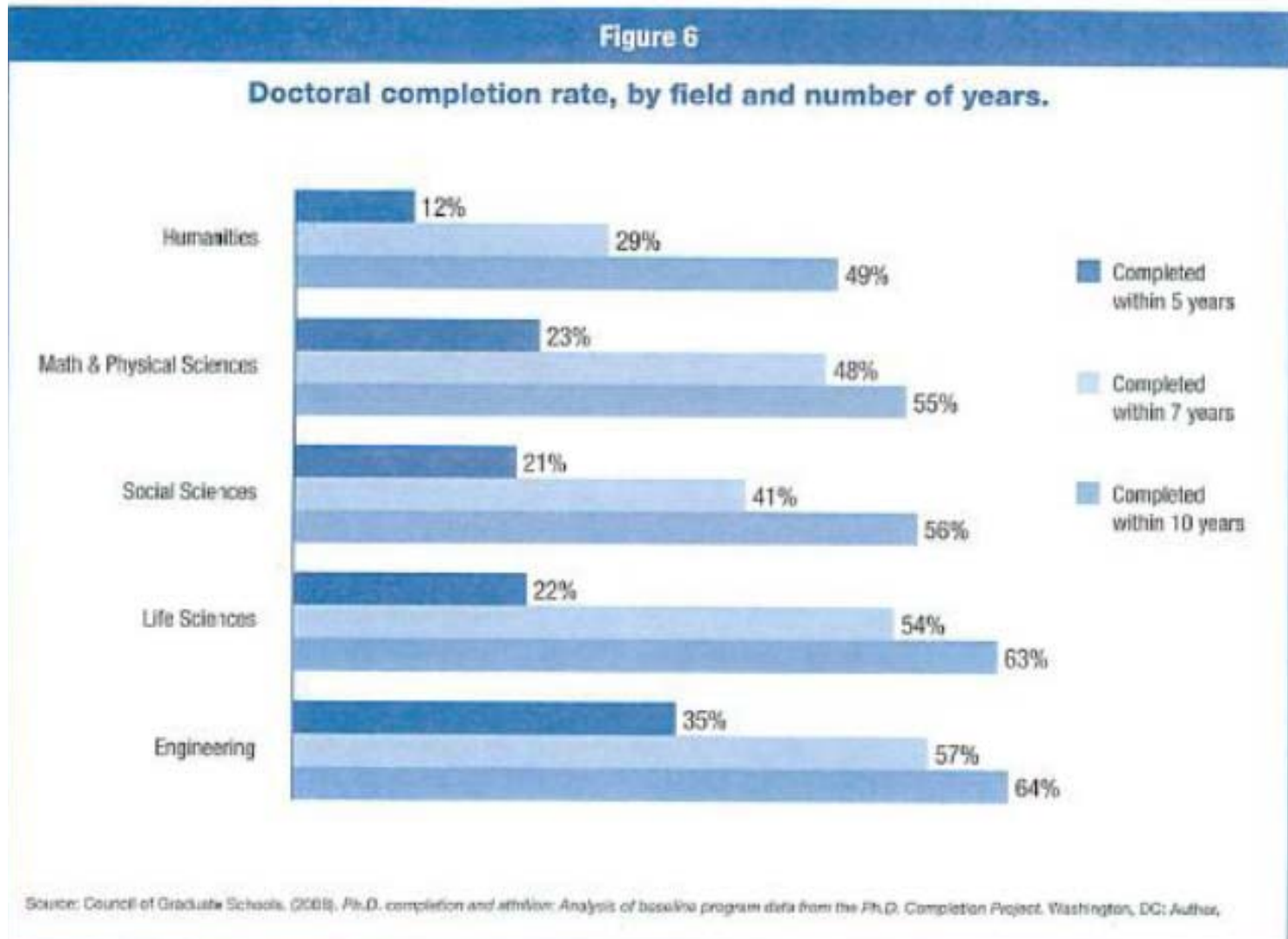


“The Path Forward-Future of Graduate Education in the US”

Some conclusions:

- Time to degree-CGS estimates that less than 25% of students complete their doctorates in 5 years and only 45% completed within 7 years
- Doctoral attrition rate = 40-50%
- Increasing number of ‘non-traditional students’ who are juggling family, work and pursuing graduate degrees

Doctoral Completion Rate by Field and Number of Years (CGS 2008)





“The Path Forward-Future of Graduate Education in the US”

Reasons to encourage students to pursue graduate degrees:

- Projection: 2.5×10^6 additional jobs will require a master's or doctoral degree between 2008 and 2018
- Excellent non-academic positions exist in industry, non-profits, government
- 25% of graduate students WILL find academic positions-we are educating the new professoriate



“The Path Forward-Future of Graduate Education in the US”

- “Graduate education plays a critical role in today’s world and will continue to do so in the future.
- A better understanding of that role and a clear path forward depend on effective collaborations between universities, industry, and government.
- Finding solutions to 21st-century challenges, ensuring continued national prosperity, and maintaining our position in the global economy will require a highly skilled, creative, and innovative workforce.
- These creative innovations will be the product of our the U.S. graduate education system.”



Final Thoughts

- Mentor your graduate students-set term specific learning outcomes to assist them in making steady progress toward their degrees
- Encourage your students to present their research at professional meetings and at the 2nd Annual Midwest Graduate Student Research Symposium (March 26, 2011)
- Recommend professional development programs to assist them (especially master's students) in their career planning



Questions??

pkomuni@utnet.utoledo.edu