Issue: Research at the University of North Florida

Proposed action: Discussion on Current Research efforts at the University of North Florida

Background information:

University reputations are often built on the research conducted by their faculties. Likewise, tenure and promotion processes reflect the importance placed on research, requiring that faculty provide documentation establishing that their research and scholarly activities meet institutional standards.

This discussion will begin with four questions related to research at the University of North Florida:

- What do we mean by “research”?
- Why does the University engage in research?
- What is UNF’s current commitment to research?
- How productive are UNF faculty?

The final question to be discussed is: What should UNF’s commitment to research be?

Supporting documentation: Attached.
Research at
The University of North Florida
Key Questions

- What do we mean by “research”?  
- Why do research?  
- What is UNF’s current commitment to research?  
- How productive are UNF faculty?  
- What should UNF’s commitment to research be?
Four Types of Scholarship
Ernest Boyer

Scholarship of Discovery
Knowledge for knowledge sake/ Basic research

Scholarship of Integration
Making connections across disciplines/
Educating the nonspecialist

Scholarship of Application
Applying knowledge to consequential problems

Scholarship of Teaching
Understanding of and educating on the art and science of teaching/learning
Scholarship of Discovery


Scholarship of Integration


Scholarship of Application


Scholarship of Teaching


Why do research?

- To provide intellectual, economic, cultural, and social benefit to society
- In many fields, universities are the only institutions supporting research
- To teach students how to conduct research
- To maintain currency in one’s field
- To motivate and stimulate faculty
What is UNF’s current commitment to research and how does it compare to other institutions?
Carnegie Classification of Higher Education

- **Doctoral/Research- Extensive**
  - 50 or more doctoral degrees per year in 15 or more disciplines
  - 11% of U.S. institutions

- **Doctoral/Research- Intensive**
  - 10 or more doctoral degrees per year in 3 or more disciplines
  - 8% of U.S. institutions
Carnegie Classification of Higher Education

- **Master’s Colleges/Universities I** (Comprehensive)
  - 40 or more master’s degrees per year in 3 or more disciplines
  - 35% of U.S. institutions

- **Master’s Colleges/Universities II** (Comprehensive)
  - 20 or more master’s degrees per year in 1 or more discipline
  - 9% of U.S. institutions
Carnegie Classification of Higher Education

Baccalaureate Colleges

- **Liberal Arts** — one-half or more of the degrees in liberal arts fields
- **General** — fewer than one-half the degrees in liberal arts fields
- **Baccalaureate/Associates** — significant number of baccalaureate degrees, majority at associate and certificate level
- **37% of U.S. institutions**
Florida’s Master’s Colleges/Universities I

• Barry University
• Embry-Riddle Aeronautical University
• Florida A&M University
• Florida Gulf Coast University
• Jacksonville University
• Lynn University
• Palm Beach University
• Rollins College
• St. Thomas University
• Stetson University
• University of North Florida
• University of West Florida
Percent of Faculty Time Reported Spent on Research

Data for Carnegie Classification Fall 1998; SUS data 1999/2000
Average Number of Courses Taught Per Faculty

Data for Carnegie Classification Extrapolated from Fall 1998; SUS data 1999/2000
How productive are UNF faculty?
UNF Faculty Scholarship Report: 2001/2002

- Books – 17
- Book chapters – 26
- Journal articles – 214
- Articles online – 12
- Columns in journals – 4
- Conference proceedings – 45
UNF Faculty Scholarship Report: 2001/2002

- Presentations
  - International – 70
  - National – 199
  - Regional/local - 131
- Creative works/ performances - 109

- 2001 Continuously Variable Volume Chamber for Flow Injection Analysis- Apparatus and System; Inventor- Dr. Stuart Chalk, Dept. of Chemistry and Physics

- 2002 Continuously Variable Volume Chamber for Flow Injection Analysis- Method; Inventor- Dr. Stuart Chalk, Dept. of Chemistry and Physics

- 2003 Emergency Management System; Inventors- Dr. John Alexander, Dr. Gerald Merckel, Dr. J. David Lambert
UNF Contracts and Grants

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Comparison of Federal Contracts and Grants: 2000
Florida’s Grant Activity Compared to Other States

- Florida ranks 13th in Federal R&D dollars going to universities vs. 4th in total population.

- Florida is in the bottom tier of states for academic R&D dollars per capita.
What should UNF’s commitment to research be?