Utilizing Data from the NRC Data Based Assessment of Research Doctorates

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Dean - Graduate Studies

2010 CGS Annual Meeting
Washington, DC
Overall Campus Discussion Strategy at Release

- Brief Chancellor and Provost
- Brief Council of Deans and Vice Chancellors
- Brief Graduate Council
- Brief graduate program chairs and interested faculty
- Provide press release with highlights
- Share results and analyses with UC Office of the President

- Compete with gubernatorial debate for attention on release day
NRC S-Rankings for SELECTED UC Davis programs
by Numeric Rank

- Spanish (n=60): 1
- Entomology (28): 1
- Agricultural & Resource Economics (Agricultural Economics): 2
- Nutritional Biology (Nutrition): 4
- Applied Mathematics: 5
- Performance Studies: 7
- Food Science: 15
- Population Biology: 16
- Ecology: 24
- Plant Biology: 24
- Civil & Environmental Engineering (Civil Engineering): 37
- Anthropology: 7
- Political Science: 7
- Materials Science and Engineering: 7
- Plant Pathology: 42
- Mathematics: 33
- Geography: 36
### UC Davis – Percentile Rankings

#### KEY:

<table>
<thead>
<tr>
<th>NRC Broad Field</th>
<th>NRC Field</th>
<th>UCD Program [program range of rankings]</th>
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<tbody>
<tr>
<td></td>
<td></td>
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- Mixed 5% and 10% scores = range in top 10% of field overall
- Mixed Q2 and Q1 scores = range in 2nd Quartile of field overall

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**Example:**

NRC Field - VALUES = Cut-off of percentile rankings →

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Next Steps

• Continue to examine data for any anomalies

• Prepare package of information for each program including data for comparison institutions

• Meet with graduate program faculty or graduate affairs committees to understand data
Program Ranges of Illustrative Rankings

Spanish

- S-Ranking: 1 to 6
- R-Ranking: 13 to 42
- DM: Research Activity: 2 to 6
- DM: Student Support & Outcomes: 11 to 39
- DM: Diversity: 5 to 26

Programs Ranked = 60
The Twenty Key Program Variables

**Research Activity**
- Publications
- Citations (exc. Humanities)
- Percent faculty with grants
- Awards per faculty

**Diversity of the Academic Environment**
- Percent faculty minority
- Percent faculty female
- Percent students minority
- Percent students female
- Percent students international

**Student Support and Outcomes**
- Percent 1st Yr. full support
- Percent completing in 6 yrs. or less (8 yrs. for humanities)
- Median time to degree
- Students with academic plans
- Collects outcomes data

**Others**
- Percent Interdisciplinary
- Average GRE-Q
- Number of PhDs 2002-2006
- Student workspace
- Student health insurance
- Student activities
- Percent national fellowships
Student Productivity and Impact Rankings

Publication Rate: \( \frac{\text{#papers/student/year}}{\frac{\text{#papers/#faculty/year}}{\text{#faculty/#students}}} \)  

Student Impact: \( \frac{\text{#citations/student/year}}{\frac{\text{#papers/#student/year}}{\text{#citations/paper}}} \)