FACULTY INVOLVEMENT IN REINVIGORATING UNDERGRADUATE EDUCATION
An Area of Inequity?

Thomas F. Nelson Laird
Allison M. BrckaLorenz

Indiana University Center for Postsecondary Research

1/26/13 Presentation at the 2013 Annual Meeting of AAC&U
First Some Background

- Reinvigorating undergraduate education a national priority
- Faculty/instructors at the center
- What faculty do matters
- And...
We know what faculty should be doing
Fostering Collaborative Learning

Encouraging High-Impact Practices

Emphasizing Personal & Social Responsibility

Emphasizing Integrative/Deep Learning

Using Active Classroom Practices

Including Diversity

Teaching with Clarity

Interacting with Students

Scholarship of Teaching & Learning
FSSE and What We Know

- Faculty Survey of Student Engagement

- Our work (along with others) have some consistent findings
  - Disciplinary differences are large
  - Teaching context matters (e.g., course level, size)
  - Faculty background characteristics matter
    - Particularly gender and race
Examples
High-Impact Practices

- Experiences that...
  - require an investment of time and energy over an extended period
  - result in greater engagement and learning
FSSE and HIPs

Measure of valuing HIPs (6 items)

How important is it to you that undergraduates at your institution do the following?

- Practicum, internship, field experience...
- Community service or volunteer work
- Participation in a learning community...
- Work on a research project with a faculty member...
- Study abroad
- Culminating senior experience
<table>
<thead>
<tr>
<th>High-Impact Practices</th>
<th>% Responding “Important” or “Very important”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Practicum, internship, field experience,...</td>
<td>Men 76%</td>
</tr>
<tr>
<td></td>
<td>Women 83%</td>
</tr>
<tr>
<td>Community service or volunteer work</td>
<td>Men 47%</td>
</tr>
<tr>
<td></td>
<td>Women 64%</td>
</tr>
<tr>
<td>Participation in a learning community...</td>
<td>Men 41%</td>
</tr>
<tr>
<td></td>
<td>Women 49%</td>
</tr>
<tr>
<td>Work on a research project with a faculty member...</td>
<td>Men 54%</td>
</tr>
<tr>
<td></td>
<td>Women 51%</td>
</tr>
<tr>
<td>Study abroad</td>
<td>Men 45%</td>
</tr>
<tr>
<td></td>
<td>Women 47%</td>
</tr>
<tr>
<td>Culminating senior experience</td>
<td>Men 81%</td>
</tr>
<tr>
<td></td>
<td>Women 83%</td>
</tr>
</tbody>
</table>
Inclusive Excellence

The active, intentional, and ongoing engagement with diversity—in the curriculum, in the co-curriculum, and in communities (intellectual, social, cultural, geographical) with which individuals might connect—in ways that increase awareness, content knowledge, cognitive sophistication, and empathic understanding of the complex ways individuals interact within systems and institutions

-AAC&U Website
Diversity Inclusivity

- The amount any element of a course includes diversity can vary from not at all to extensively.
- Course elements include purpose/goals, content, instructor(s), learners, pedagogy, assessment/evaluation.
- 2 diversity inclusivity scales on FSSE 2007:
  - Diverse grounding
  - Inclusive learning
<table>
<thead>
<tr>
<th>Inclusive Learning</th>
<th>Men</th>
<th>Women</th>
</tr>
</thead>
<tbody>
<tr>
<td>You try to learn about student characteristics in order to improve class instruction</td>
<td>65%</td>
<td>80%</td>
</tr>
<tr>
<td>You vary your teaching methods to allow for the multiple ways students learn</td>
<td>69%</td>
<td>84%</td>
</tr>
<tr>
<td>The classroom atmosphere encourages the active participation of all students</td>
<td>95%</td>
<td>97%</td>
</tr>
<tr>
<td>Students feel empowered in their learning</td>
<td>82%</td>
<td>93%</td>
</tr>
<tr>
<td>You evaluate student learning using multiple techniques</td>
<td>70%</td>
<td>82%</td>
</tr>
<tr>
<td>You adjust aspects of the course (e.g., pace, content, or assignments) based on student learning needs</td>
<td>70%</td>
<td>79%</td>
</tr>
</tbody>
</table>
Integrative Learning

An Essential Learning Outcome

Integrative Learning includes

- Synthesis and advanced accomplishment across general and specialized studies
FSSE and Integrative Learning

- **Measure of Emphasis on IL (5 items)**
  - Faculty asked for the importance, frequency, or % of students
  - Work on a paper or project that requires integrating ideas or information from various sources
  - Put together ideas or concepts from different courses when completing assignments or during class discussions
  - Discuss ideas or readings from class with others outside of class (other students, family members, co-workers, etc.)
  - Have class discussions or writing assignments that include diverse perspectives (different races, religions, genders, political beliefs, etc.)
  - At least once, discuss ideas from your readings or classes with you outside of class
Faculty Responding “Important” or “Very important”

- African American/Black: 65%
- Hispanic/Latino/a: 63%
- Other Race: 62%
- Asian/Pacific Islander: 61%
- White: 56%

Put together ideas or concepts from different courses when completing assignments or during class discussions.
Personal & Social Responsibility

- PSR an Essential Learning Outcome
- PSR includes
  - Civic knowledge and engagement—local and global
  - Intercultural knowledge and competence
  - Ethical reasoning and action
  - Foundations and skills for lifelong learning
FSSE and PSR

- **Measure of Emphasis on PSR (4 items)**

To what extent do you structure your selected course section so that students learn and develop in the following areas:

- Understanding themselves
- Understanding people of other racial and ethnic backgrounds
- Developing a personal code of values and ethics
- Developing a deepened sense of spirituality
Understanding people of other racial and ethnic backgrounds

Developing a personal code of values and ethics

Faculty Responding “Important” or “Very important”

- **African American/Black**:
  - Understanding people: 61%
  - Developing a code: 63%

- **Hispanic/Latino/a**:
  - Understanding people: 58%
  - Developing a code: 52%

- **Other Race**:
  - Understanding people: 54%
  - Developing a code: 54%

- **Asian/P.I.**:
  - Understanding people: 37%
  - Developing a code: 47%

- **White**:
  - Understanding people: 41%
  - Developing a code: 45%
But really, is it that bad?
Data and Sample

- **Instrument = FSSE**
- **Data**
  - 2008-2012 administrations
  - Institutions’ most recent year of participation
  - Course-based format
- **Sample**
  - 310 institutions
  - 42,000 faculty
Faculty Characteristics

- 48% female
- 40% 55 or older
- 7% international

Race
- 6% African American
- 5% Asian
- 3% Latino
- 3% Other
- 73% White

- 68% earned doctorate
- 47% with 15+ years teaching experience

Rank
- 11% PT Lecturer
- 12% FT Lecturer
- 26% Assistant Professor
- 25% Associate Professor
- 26% Full Professor
Courses & Institutions

- 32% STEM field
  - 26% Arts & Humanities
  - 5% Biological Sciences
  - 10% Business
  - 8% Education
  - 11% Physical Sciences
  - 9% Professional
  - 14% Social Sciences
  - 12% Other

- 39% lower division

- 50% meet general ed requirement

- 41% Private control
  - 26% Doc RU-VH/H
  - 8% Doc DRU
  - 26% Masters-L
  - 15% Masters-M,S
  - 6% Bac-AS
  - 10% Bac-Diverse
  - 10% Other
Measures

- **CS:** Campus Support
- **FSI:** Faculty-Student Interaction
- **EIS:** Emphasis on Intellectual Skills
- **EPS:** Emphasis on Practical Skills
- **EPSR:** Emphasis on Personal & Social Responsibility
- **EDAL:** Emphasis on Deep Approaches to Learning
- **ACP:** Active Classroom Practice
- **VHIP:** Value of High-Impact Practices
<table>
<thead>
<tr>
<th></th>
<th>Female</th>
<th>Asian</th>
<th>Black</th>
<th>Latino</th>
<th>Other Race</th>
</tr>
</thead>
<tbody>
<tr>
<td>Campus Support</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td></td>
</tr>
<tr>
<td>Faculty-Student Interaction</td>
<td>+</td>
<td>-</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Em Intellectual Skills</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Em Practical Skills</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Em Personal &amp; Social Resp.</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Em Deep Approaches to Learning</td>
<td>+</td>
<td></td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Active Classroom Practice</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Value of High-Impact Practices</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td></td>
<td>Female</td>
<td>Asian</td>
<td>Black</td>
<td>Latino</td>
<td>Other Race</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>--------</td>
<td>-------</td>
<td>-------</td>
<td>--------</td>
<td>------------</td>
</tr>
<tr>
<td>Campus Support</td>
<td>+</td>
<td>++</td>
<td>++</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Faculty-Student Interaction</td>
<td>++</td>
<td>-</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Em Intellectual Skills</td>
<td>++</td>
<td>++</td>
<td>++</td>
<td>++</td>
<td>++</td>
</tr>
<tr>
<td>Em Practical Skills</td>
<td>+</td>
<td>++</td>
<td>++</td>
<td>++</td>
<td>++</td>
</tr>
<tr>
<td>Em Personal &amp; Social Resp.</td>
<td>++</td>
<td>++</td>
<td>++</td>
<td>++</td>
<td>++</td>
</tr>
<tr>
<td>Em Deep Approaches to Learning</td>
<td>++</td>
<td></td>
<td>++</td>
<td>++</td>
<td>++</td>
</tr>
<tr>
<td>Active Classroom Practice</td>
<td>++</td>
<td>+</td>
<td>++</td>
<td>++</td>
<td>+</td>
</tr>
<tr>
<td>Value of High-Impact Pract.</td>
<td>+</td>
<td>++</td>
<td>++</td>
<td>++</td>
<td>++</td>
</tr>
<tr>
<td></td>
<td>Female</td>
<td>Asian</td>
<td>Black</td>
<td>Latino</td>
<td>Other Race</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>--------</td>
<td>-------</td>
<td>-------</td>
<td>--------</td>
<td>------------</td>
</tr>
<tr>
<td>Campus Support</td>
<td>+</td>
<td>++</td>
<td>++</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Faculty-Student Interaction</td>
<td>++</td>
<td>-</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Em Intellectual Skills</td>
<td>++</td>
<td>++</td>
<td>++++</td>
<td>++</td>
<td>++</td>
</tr>
<tr>
<td>Em Practical Skills</td>
<td>+</td>
<td>++</td>
<td>++++</td>
<td>++</td>
<td>++</td>
</tr>
<tr>
<td>Em Personal &amp; Social Resp.</td>
<td>++</td>
<td>++</td>
<td>++++</td>
<td>++</td>
<td>++</td>
</tr>
<tr>
<td>Em Deep Approaches to Learning</td>
<td>++</td>
<td>+</td>
<td>++</td>
<td>++</td>
<td>++</td>
</tr>
<tr>
<td>Active Classroom Practice</td>
<td>++</td>
<td>+</td>
<td>++</td>
<td>++</td>
<td>+</td>
</tr>
<tr>
<td>Value of High-Impact Pract.</td>
<td>+</td>
<td>++</td>
<td>++++</td>
<td>++</td>
<td>++</td>
</tr>
</tbody>
</table>
Scale Means by Race/Ethnicity

- African American/Black
- Hispanic/Latino/a
- Other Race
- Asian/P.I.
- White

Variables:
- EIS
- EPS
- EPSR
- VHII
Emphasis on Personal & Social Responsibility by Race & Gender

- Men
- Women

- White: 2.2
- Asian/P.I.: 2.3
- Other: 2.4
- Hisp/Lat: 2.5
- AA/Black: 2.7
Where Does This Leave Us?
Equitable?

- Good educational practices not evenly distributed by gender and race
- Those who are more likely to use good practice (women, faculty of color) are more likely to get paid less
- No indications that we are heading toward greater equity
What Should an Institution Do?

- To improve undergraduate education
  - Use hiring?
  - Rely on faculty development?
Hiring Issues/Inequities

- **Hire to improve undergraduate education**
  - Problem with pay equity
  - Possible problems with institutional culture and societal issues

- **Faculty Development**
  - Guess who’s most likely to participate?
Discussion