Northern Illinois University

Scholarship Goals, Impacts, and Metrics

Research and Innovation, Legal and Legislative Affairs
February 15, 2018
Vision and Strategic Emphases

Preparing Northern Illinois and the Nation for a Century of Change.

- Responding to the changing climate
- Preparing for changing demographics
- Leading the evolution of technology
- Interpreting our changing world
Goal and the Unit of Growth

- **Goal:** A 25% increase in scholarship.
- **Basic Unit of Growth:**
  - Use the standard, but incomplete, proxy of externally funded research.
  - In FY2017, 70 faculty attracted external funds for research
    - A 5% increase achieved by attracting or creating an initiative with four additional research active faculty.
    - Five new initiatives achieved by a combination of new degrees or centers of scholarship.
- **External funding is a proxy:** these initiatives should be distributed across research, scholarship, and artistry and tracked with appropriate metrics.
A shared initiative with Fermilab to enhance NIU/FNAL collaboration in accelerator science with joint collaborations and professorships.

NIU investment about $450k/year over 5 yrs.

Have recruited two senior faculty, now recruiting two junior positions.

Since 2015, the two individuals have been awarded $2.1M in external grants from NSF and DOE.

Currently, 18 graduate students are involved.
Metrics Should also Reflect Impacts of Scholarship

• Enhanced peer and public reputation
• Faculty recruitment & retention
• Student (UG, Grad) recruitment & retention
• Donor and alumni interest & activity

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• *Publications/Citations/Books, Grant Activity, Student Engagement*
Research Grant Activity

<table>
<thead>
<tr>
<th>FY 2014</th>
<th>FY 2015</th>
<th>FY 2016</th>
<th>FY 2017</th>
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<tbody>
<tr>
<td>$8</td>
<td>$14</td>
<td>$8</td>
<td>$10</td>
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25%
From April 2016 Lipman Hearne/NIU Survey
Decision rank of program strength and academic reputation for selecting a university

<table>
<thead>
<tr>
<th>Cohort</th>
<th>Program/Major Field Strength</th>
<th>Academic Reputation</th>
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<tbody>
<tr>
<td>Freshman Prospects</td>
<td>2 of 18</td>
<td>1 of 18</td>
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<tr>
<td>Transfer Prospects</td>
<td>2 of 18</td>
<td>6 of 18</td>
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<tr>
<td>Graduate Prospects</td>
<td>5 of 17</td>
<td>4 of 17</td>
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<tr>
<td>Current Undergraduate</td>
<td>3 of 17</td>
<td>5 of 17</td>
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<tr>
<td>Current Graduate</td>
<td>3 of 17</td>
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Engagement in Research/Scholarship a High Impact Practice

- Current first year retention rate (FYRR) 73%.
- Honors Students
  - FY08-FY16 cohort: 2585 students
  - FYRR 93%.
- Research Rookies
  - FY14-F17 cohort: 87 students
  - FYRR 99%!
- Will develop a metric around participation/engagement
• Established a forward-looking vision focused on societal needs.
• Setting a modest goal of 25% growth, but magnitude and time scale with resources.
• Performance measured at the highest level with publications, citations & books; grants; & student involvement.
• Work continues on infrastructure for research, scholarship, and artistry.