Student Learning Assessment: Program Review Process

Report of the NJIT Middle States Sub-committee on Assessment:
John Bechtold, Bruce Bukiet, John Cays, Barry Cohen, Perry Deess,
Atam Dhawan, Norbert Elliot, Shanti Gopalakrishnan, Judith Redling,
William Reynolds (Advisor), Ala Saadeghvaziri, Gale Spak

Presented by Judith Redling and Perry Deess
March 16, 2011
The NJIT Self Study: Reflection

“The extent to which each educational institution accepts and fulfills the responsibilities inherent in the [accreditation] process is a measure of its concern for freedom and quality in higher education and its commitment to striving for and achieving excellence in its endeavors.”

Criteria for the institution

• “that it has a mission appropriate to higher education;
• that it is guided by well-defined and appropriate goals, including goals for student learning;
• that it has established conditions and procedures under which its mission and goals can be realized;
• that it assesses both institutional effectiveness and student learning outcomes, and uses the results for improvement;
• that it is accomplishing its mission and goals substantially;
• that it is organized, staffed, and supported so that it can be expected to continue to accomplish its mission and goals; and
• that it meets the requirements of affiliation and standards of MSCHE.”
Student Learning Assessment: NJIT Model

Institutional Level Learning Goals

College or School Disciplinary Demands

Program Accreditation Demands

Program Level Learning Goals

Course Level Learning Goals

Design the Assessment

The NJIT Student Learning Assessment Model

Implement Change

Assess Performance

Evaluate Assessment Results

The Edge in Knowledge
Student Learning Assessment: Web presence

✓ Central Assessment site
Student Learning Assessment:

- Institutional Learning Goals: MSCHE Compliance
- Core Competencies: VSA, MSCHE, and State Compliance
Student Learning Assessment: 
Institutional Level Goals

Institutional Level Goals → Program Goals → Course Goals

As students seek disciplinary mastery, we measure these five Institutional Learning Goals to support the improvement of student learning:

1. Research-based Inquiry
2. Ethical Conduct
3. Economic Opportunity
4. Collaboration
5. Engagement
Student Learning Assessment: NJIT Core Competencies

Core Competencies → Standardized assessment by College → Program-identified courses

As all students, regardless of discipline, experience General University Requirements, we measure these three Core Competencies to support the improvement of student learning:

A. Writing, Reading, and Critical Thinking
B. Quantitative Reasoning
C. Information Literacy
Student Learning Assessment: 
Program Review Process

✓ One-page Program Review 
  Template and Scoring sheets defined and field-tested 
  All undergraduate and graduate programs reviewed

✓ Full (10-page) Program Review : 5 year cycle. 
  Approximately 11 programs reviewed every semester. 
  Guidelines and Table of Contents defined

✓ Core Competency Testing (VSA) 
  ETS Proficiency Profile 
  iCritical Thinking test (iCT)
Program Review Template and Scoring Sheets

The NJIT Program Review Report:

1. How does the program incorporate the Institutional Level Learning Goals (ILLGs) into the Program-Level Learning Goals (PLLGs)?
2. How does the program incorporate the PLLGs into the Course-Level Goals (CLGs)?
3. Describe the assessment design and how it has been implemented.
4. What are the results of the assessment, and what actions have been taken in response?
5. How has assessment results been used to implement change?
6. How well does the program administration ensure a reliable and valid assessment process?
Student Learning Assessment: Program Review Process

✓ One-page Program Review
   Template and Scoring sheets defined
   All undergraduate and graduate programs reviewed

✓ Full (10-page) Program Review: 5 year cycle.
   Approximately 11 programs reviewed every semester.
   Guidelines and Table of Contents defined

✓ Core Competency Testing (VSA)
   ETS Proficiency Profile
   iCritical Thinking test (iCT)
Table of Contents

- Part 1. General program information (1 page)
- Part 2. Program mission and goals (1 page)
- Part 3. Program details (1 page)
- Part 4. Learning outcomes (2 pages)
- Part 5. Using student learning assessment (2 pages)
- Part 6. Conclusion (1 page)
- Appendices
Student Learning Assessment: Program Review Process

✓ One-page Program Review
  Template and Scoring sheets defined
  All undergraduate and graduate programs reviewed

✓ Full (10-page) Program Review: 5 year cycle.
  Approximately 11 programs reviewed every semester.
  Guidelines and Table of Contents defined

✓ Core Competency Testing (VSA)
  ETS Proficiency Profile
  iCritical Thinking test (iCT)
Student Learning Assessment: NJIT Core Competencies

<table>
<thead>
<tr>
<th>NJIT Core Competency</th>
<th>Test</th>
<th>Test Bank</th>
<th>Test Administration</th>
<th>Expiration Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Writing</td>
<td>ETS Proficiency Profile</td>
<td>500</td>
<td>Online, non-proctored (2 hours for writing, critical thinking, and mathematics)</td>
<td>None</td>
</tr>
<tr>
<td>B. Reading / Critical Thinking</td>
<td>ETS Proficiency Profile</td>
<td>500</td>
<td>Online, non-proctored (2 hours for writing, critical thinking, and mathematics)</td>
<td>None</td>
</tr>
<tr>
<td>C. Mathematics</td>
<td>ETS Proficiency Profile</td>
<td>500</td>
<td>Online, non-proctored (2 hours for writing, critical thinking, and mathematics)</td>
<td>None</td>
</tr>
<tr>
<td>D. Information Literacy</td>
<td>iCritical Thinking (ETS and Certiport)</td>
<td>500</td>
<td>Online, proctored (90 minutes). (Proctoring is necessary for students achieving proficiency to earn Certiport certification in this skills area.)</td>
<td>May 9, 2011</td>
</tr>
</tbody>
</table>
Progress Since Last Sub-Committee Meeting, March 11, 2011

✓ One-page Program Review summaries submitted by 105/110 undergraduate and graduate programs
✓ One-page scoring is nearly complete; scored documents will be made available for review/revision after March 21st
✓ Full (10-page) Review documents submitted in Fall 10 have been reviewed and scored.
✓ Full Review Documents due May 1st for programs in queue for Spring 11
✓ Sampling Plans submitted for each college and school
✓ Students completing the ETS Proficiency Profile and iCT test
Sub-Committee on Assessment: Moving Forward

• Distance Education Assessment: Quality Matters Rubric

• NJIT Collaborative Programs

• Sub-committee develops technical system for uploading and archiving program assessment materials