



# Boyer's Scholarship of Teaching and Learning: Navigating the Scholarship of Discovery

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# OBJECTIVES

- Describe the four domains of Boyer's Scholarship of Teaching and Learning (SoTL)
- Explore practical applications in the Scholarship of Discovery in higher education

# WHAT IS SoTL?

- Systematic study of teaching and learning to improve practice
- Central features: inquiry, evidence-based improvement, sharing results
- Importance: Enhances student learning, supports faculty development

# Boyer's Model of Scholarship

Four domains:

- Discovery
- Integration
- Application
- Teaching

# Scholarship of Discovery

- Generation of new knowledge
- Examples:
  - Educational research studies
  - Data-driven exploration of student learning challenges
- Application to SoTL
  - Rigorous inquiry into teaching problems

# Scholarship of Integration

- Connecting ideas across disciplines
- Examples:
  - Linking theories of learning with nursing practice
  - Synthesizing research to improve curriculum design
- Application to SoTL:
  - Using diverse perspectives to deepen understanding

# Scholarship of Application (Engagement)

- Applying knowledge to address real problems
- Examples:
  - Implementing new instructional methods
  - Using SoTL findings to improve clinical teaching
- Emphasis on reciprocal exchange between theory and practice

# Scholarship of Teaching

- Systematic study of teaching practices
- Emphasizes:
  - Transparency of methods
  - Peer review
  - Dissemination
- Examples:
  - Evaluating a new simulation strategy
  - Publishing or presenting teaching innovations

# Integrating Boyer's Model into SoTL Projects

- Step 1: Identify a teaching/learning challenge
- Step 2: Select which domain(s) apply
- Step 3: Collect evidence
- Step 4: Reflect and revise practice
- Step 5: Disseminate findings

# Example SoTL Project

**Topic:** Improving student engagement in online discussions

- Discovery: Explore factors affecting engagement
- Integration: Apply learning theory to the problem
- Application: Pilot new discussion strategies
- Teaching: Assess effectiveness and share results

# **Faulty Research: Why It Matters for SoTL**

- **Improved teaching strategies**
- **Enhanced assessment methods**
- **Strengthened course alignment**
- **More inclusive and accessible learning environments**
- **Improved student engagement**



# **Faculty Research at NMC**