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Instruction Matters: Purdue Academic Course Transformation

Chantal Levesque-Bristol
Purdue University, clevesqu@purdue.edu

Tomalee Doan
Purdue University, tdoan@purdue.edu

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Chantal Levesque-Bristol, Director
Center for Instructional Excellence (CIE)
Professor of Educational Psychology

Tomalee Doan, Head,
John W Hicks Undergraduate Library
Associate Professor of library science
Instruction Matters: Purdue Academic Course Transformation (IMPACT)

• Campus-Wide Collaboration

• Semester Long Professional Development Program

• Systematic Assessment Plan

• Vehicle for Campus Transformation
Campus-Wide Collaboration and Support

- Provost’s Office
- Information Technology at Purdue (ITaP)
- Libraries: Tomalee Doan
- Center for Instructional Excellence (CIE): Chantal Levesque-Bristol
- Extended Campus:
  - Discover Learning Research Center (DLRC)
- Former IMPACT Faculty Fellow
IMPACT Goals

• To foster and support faculty-led course redesign with campus-wide resources

• To reflect, assess and share results to benefit future courses and students

• Transform the teaching and learning culture toward a more student-centered pedagogy through active learning, technology, and space use

• Foster learning gains
IMPACT Strategies

• Develop a network of faculty through Faculty Learning Communities (FLC)
• Base course redesign and FLC curriculum on best practices and sound research
• Grow and sustain IMPACT by adding new IMPACT faculty fellows annually
• Assess the effectiveness of the redesign with a systematic assessment plan
Faculty Learning Community (FLC)

- Semester long (15 weeks) professional development program
  - Students’ characteristics
  - Development of learning objectives and alignment of those with class activities and assessments
  - Bloom’s taxonomies
  - Student centered, research-based redesign models
  - Innovative tools and technologies
  - Information Literacy
Hicks Undergraduate Library
G980D

- Collaborative work stations
- Dynamic media projection capabilities
- Seats 72
Redesign Models used by Faculty Fellows

Redesign Models used by IMPACT faculty

- Online
- Supplemental
- Flipped
- Replacement
The sustainable goal is 30 classes/sem

Most of the colleges on Campus have been touched by IMPACT (except the Vet School)

Many STEM classes (Sciences, Technology, Engineering)
IMPACT: Progress to Date

Enrolled Students

Cumulative Enrollment

Fall 11 | Spring 12 | Fall 12 | Spring 13 | Fall 13
Assessment Program Components

Faculty Change

Student Perceptions

Student Learning and Retention
What are we learning?

- IMPACT is setting new expectations across campus for excellence in undergraduate teaching.
WE ARE CAREFULLY MONITORING THE RESULTS OF OUR EFFORTS
Student Learning and Retention

• Overall, 65% of the IMPACT classes demonstrated an increase in course GPA.

• Fall to spring retention and graduation rates increased for the majority IMPACT courses.

• Higher course grades were observed for comparable courses taught concurrently or previously.
Student Perceptions

- Students reported an equivalent or increased level of engagement and confidence.

- Over 80% of the students reported that the classroom physical space met their needs for learning and that the technology used engaged their interest.

- On the SALG, over 70% of the students reported that they “gained a lot (4)” or “gained a great deal (5)” over the course of the semester.
Faculty Change

• IMPACT curriculum aligns well with the faculty expectations for professional development

• Faculty report that the faculty development program enhances their teaching capabilities, helps them adopt new teaching strategies and technology, rethink pedagogy, and stresses the importance of learning objectives.
In Sum...

• Students are more engaged and confident in their learning

• Students report significant learning gains on course specific learning outcomes

• There is evidence that actual learning improves
This site provides information about IMPACT's mission, goals, faculty, and stories to the Purdue community.

Quick Links:
- How does IMPACT work?
- What should I expect from IMPACT?
- How does IMPACT benefit me?
- How do IMPACT faculty get involved?

Mission Statement

Our mission is to improve student competency and confidence through redesign of foundational courses by using research findings on sound student-centered teaching and learning.

Recent News

Summer 2012 Cohort Selected

Fall 2012 Cohort Selected

Upcoming Events

Summer 2012 Cohort FLC Sessions-ongoing from June 20 until August 1. Sessions will be held each Wednesday between June 20 and August 1, EXCLUDING July 4 and July 11.