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Teamwork Makes the Dream Work: Purdue's IMPACT Course Transformation Faculty Learning Community

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TEAMWORK MAKES THE DREAM WORK

Purdue’s IMPACT
Course Transformation
Faculty Learning Community

GEC Thursday, May 10, 2018, 4:30-5:20 pm
The Team: Spring 2017

Karen Neubauer, Assistant Director, Special Projects, Center for Instructional Excellence
Wanju Huang, Instructional Design Supervisor, Course Design and Development, Teaching & Learning Technologies
Rachel Fundator, Information Literacy Instructional Designer, Humanities, Social Sciences, Education & Business, Libraries
Hua Cai, Assistant Professor, School of Industrial Engineering and Environmental & Ecological Engineering
Nicole Hands, Clinical Assistant Professor, Purdue Polytechnic
Mark Zimpfer, Clinical Assistant Professor, Construction Management Technology, Purdue Polytechnic
In absentia: Xiumin Diao, Assistant Professor, School of Engineering Technology, Purdue Polytechnic & Jason B. Reed, Assistant Professor of Library Science & Health Sciences Information Specialist, Library of Engineering and Science
SESSION OUTCOMES

1. Examine how concepts of **SDT** & **learner-centered instruction** frame an interdisciplinary FLC focused on course transformation.

2. Report on **faculty fellow perceptions** of the IMPACT FLC experience.

3. Explore how the fellow experiences **influence their course transformations**.
Overview

REDESIGNING EDUCATION

IMPACT

PURDUE UNIVERSITY
Campus-Wide Collaboration

IMPACT is an integrated campus-wide effort, involving multiple key partners across campus.

Financial Support
Provost & President

Support Staff
CIE, Libraries, TLT, & DE

Program Assessment
CIE, Evaluation & Research Center, & Office of Institutional Research, Assessment & Effectiveness

Scholarship of Teaching & Learning
Evaluation & Research Center, CIE, Libraries, TLT, & DE
IMPACT FELLOWS AND COURSES

IMPACT FELLOWS = 289
at end of 2017

IMPACT COURSES = 468
at end of 2017

All 12 colleges at Purdue have had a faculty member participate in IMPACT.
SCOPE OF THE IMPACT PROGRAM

- 289 FACULTY
- 468 COURSES
- 91.8% OF STUDENTS*

*Fall 2017 undergraduate students registered
COURSE TRANSFORMATION TYPES

- Supplemental: 69%
- Replacement: 20%
- Online: 11%
- Unknown: 1.9%
MOTIVATIONAL FRAMEWORK: Self-Determination Theory

Basic Psychological Needs
- Autonomy
- Competence
- Relatedness

Factors
- Learning Climate
- Basic Psychological Needs
- Self-regulated Motivation
- Student Learning Outcomes

FACULTY LEARNING COMMUNITY - HYBRID APPROACH

Motivating Learners (Aug 28 - Sep 12)

Session 2: Teaching Goals & Student Characteristics (click for details)
- Identifying the types of learners you will be teaching is an important step in your IMPACT course redesign process. This is especially important when identifying outcomes, objectives and activities for your course.
- Pre-work will take approximately 120 minutes this week.
- Monday FLC: Date: August 28; Time: 1:00 - 2:15 PM; Location: WALC 3809
- Tuesday FLC: Date: August 29; Time: 2:00 - 3:15 PM; Location: WALC 2007

Session 3: Motivation and Cognition: Theories of Learning (click for details)
- In this first step you will review the pre- and post-requisites, accreditation and curriculum requirements, and any other aspects that may effect your IMPACT course redesign.
- Pre-work will take approximately 20 minutes this week.
- Monday FLC: Date: September 11; Time: 1:00 - 2:15 PM; Location: WALC 3809
- Tuesday FLC: Date: September 12; Time: 2:00 - 3:15 PM; Location: WALC 2007
FACULTY LEARNING COMMUNITY OUTCOMES

Fellows will be able to develop/refine:

- course learning outcomes & learning objectives
- pedagogical approaches for increasing engagement & achieving student learning outcomes
- course assessments that align with & measure learning outcomes
<table>
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<th>Methods of Assessment</th>
<th>Active Learning Activities, Pedagogies, and/or Educational Practices</th>
<th>Informed Learning</th>
<th>SDT</th>
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**Learning Outcome 1**
- LO 1.1
- LO 1.2
- LO 1.3
- LO 1.4
- LO 1.5

**Learning Outcome 2**
- LO 2.1
- LO 2.2
- LO 2.3
- LO 2.4
Team 4 Support Team members
• Wanju Huang, CDD, primary
• Karen Neubauer, CIE
• Jason Reed, Libraries
• Rachel Fundator, Libraries
IMPACT FLC TEAMS – SPRING 2017

Team 4 Fellows & courses
- Hua Cai, Engineering Economics
- Xiumin Diao, Industrial Robotics & Motion Control
- Mark Zimpfer, Residential Construction
- Nicole Hands, Cyber Security Fundamentals
MARK ZIMPFER, BCM 462 RESIDENTIAL DESIGN BUILD

2018 National Association of Home Builders Student Chapters Outstanding Junior Faculty Award
References


