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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®

THE PARTNERS

Campus-Wide Collaboration

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

Financial Support

Provost & President

Support Staff

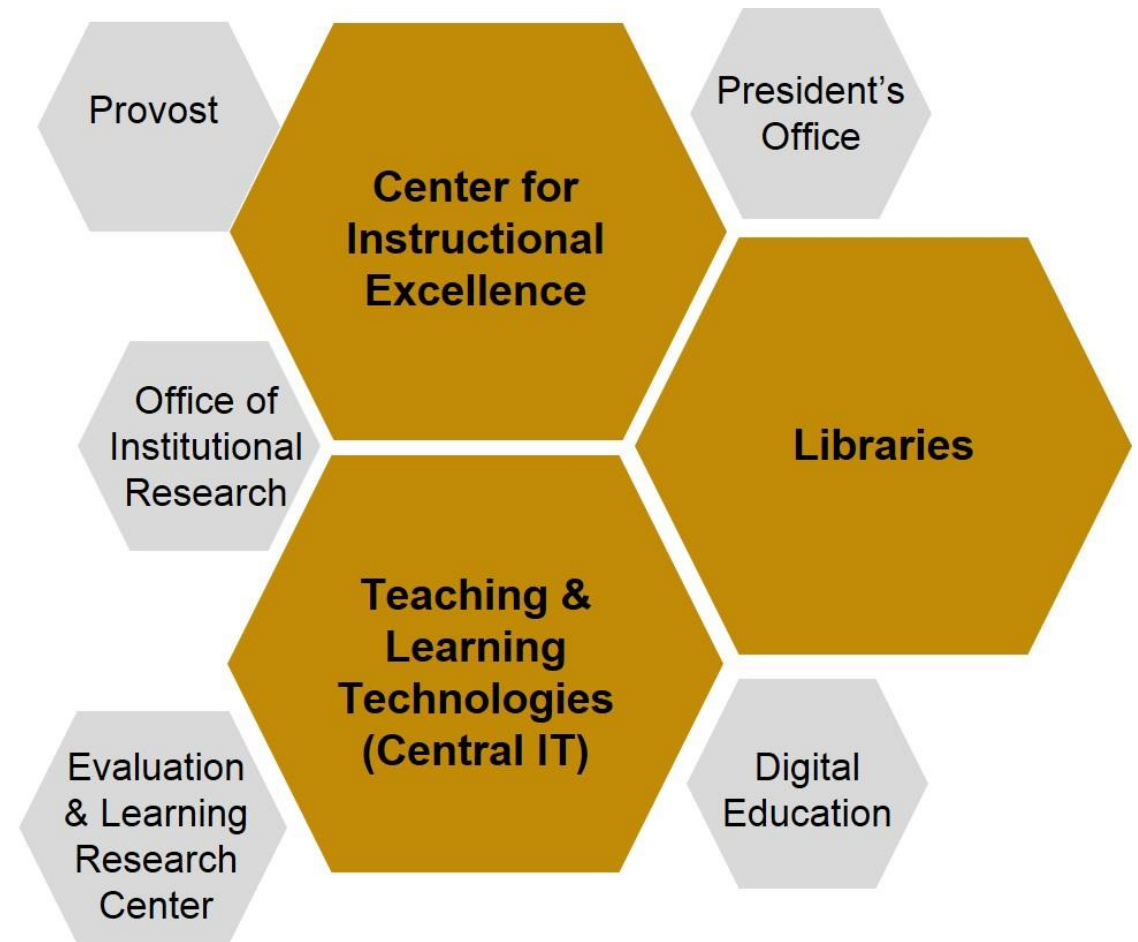
CIE, Libraries, TLT, & DE

Program Assessment

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

Scholarship of Teaching & Learning

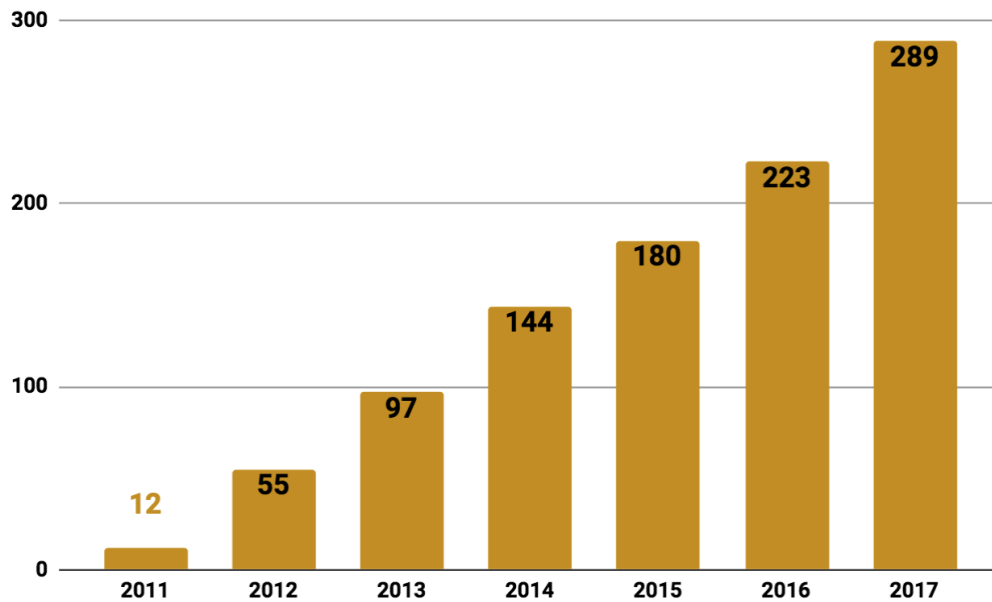
Evaluation & Research Center, CIE, Libraries, TLT, & DE



IMPACT FELLOWS AND COURSES

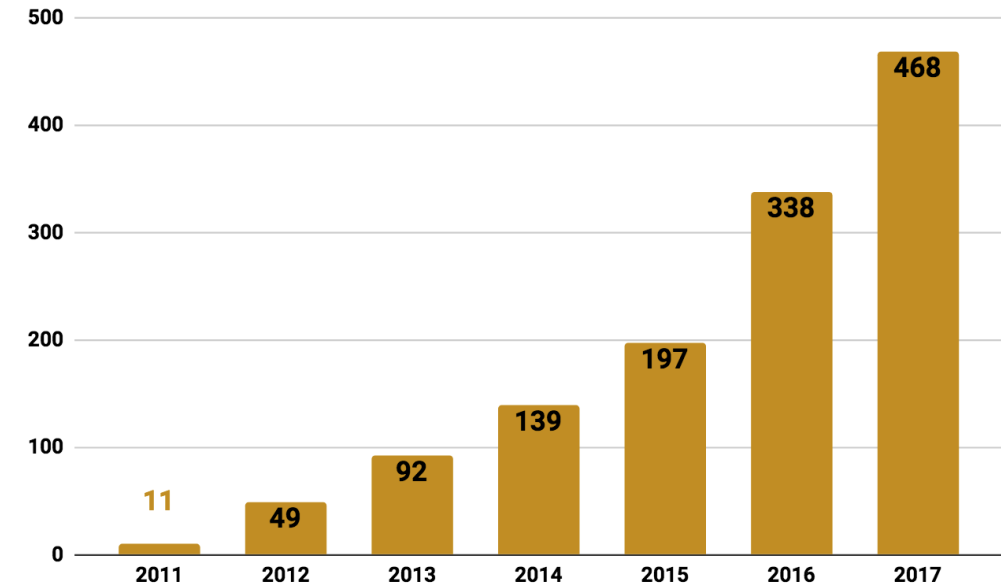
IMPACT FELLOWS = 289

at end of 2017



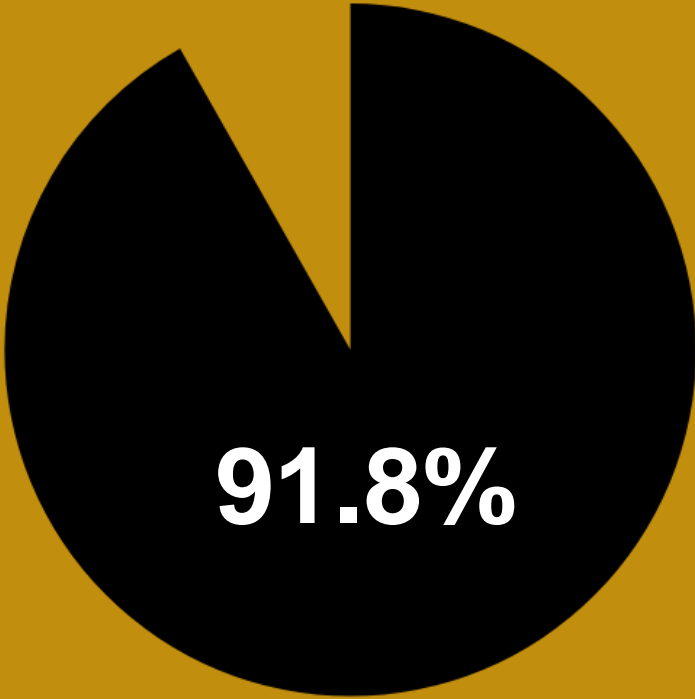
IMPACT COURSES = 468

at end of 2017



All 12 colleges at Purdue have had a faculty member participate in IMPACT.

SCOPE OF THE IMPACT PROGRAM



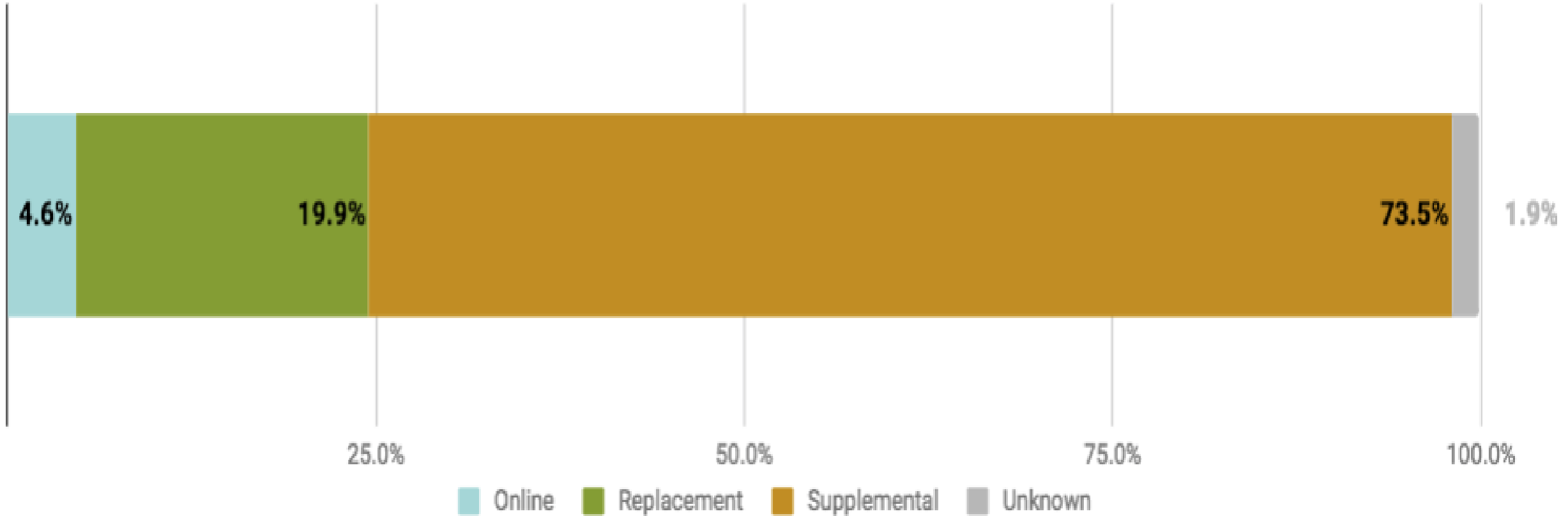
289 FACULTY

468 COURSES

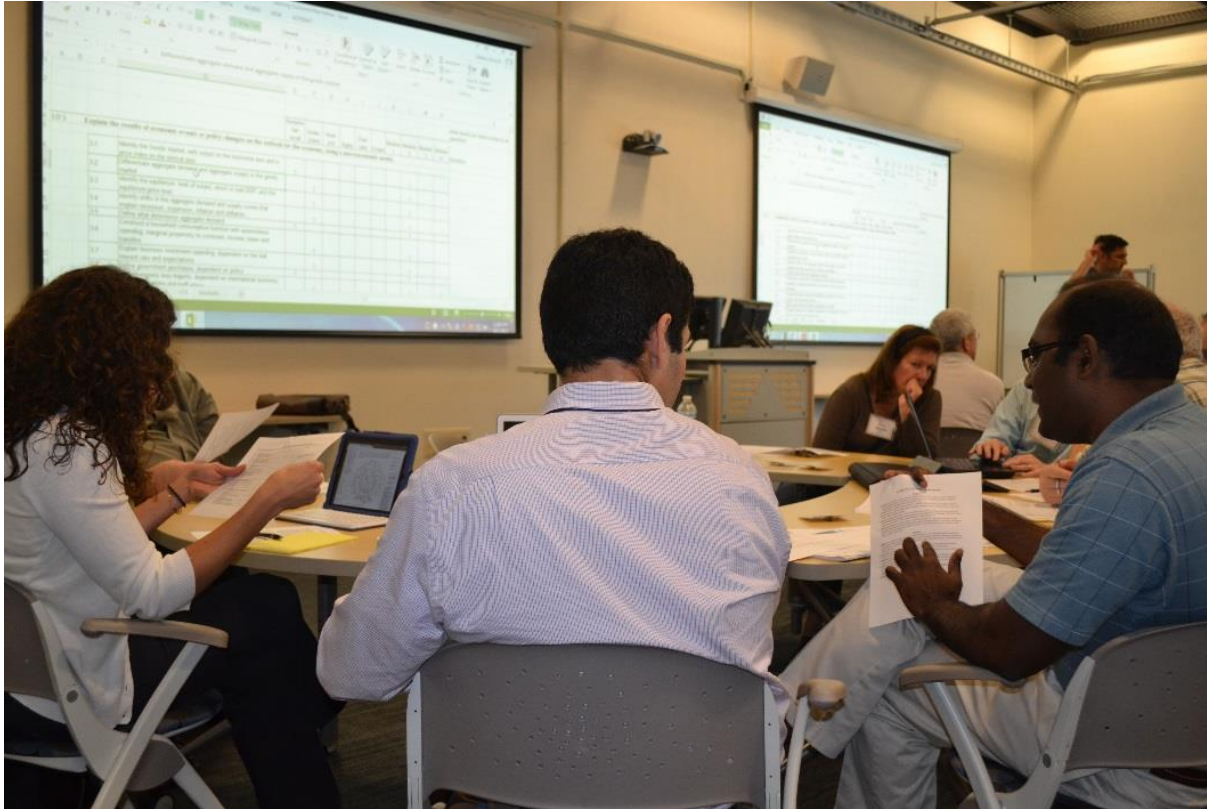
91.8% OF STUDENTS*

*Fall 2017 undergraduate students registered

COURSE TRANSFORMATION TYPES



MOTIVATIONAL FRAMEWORK: Self-Determination Theory



Basic Psychological Needs

- Autonomy
- Competence
- Relatedness

Factors

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

Ryan, R. M & Deci, E. L. (2000). Intrinsic and extrinsic motivations: Classic definitions and new directions.



FACULTY LEARNING COMMUNITY

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FACULTY LEARNING COMMUNITY - HYBRID APPROACH



**MOTIVATING
LEARNERS**



**LEARNING
OUTCOMES**



ASSESSMENT



**LEARNING
ACTIVITIES**



**DRAWING IT
TOGETHER**

Motivating Learners (Aug 28 - Sep 12)

IMPACT Fall 2017 FLC

Announcements

Getting Started (Aug 21 or 22)

Motivating Learners (Aug 28 - Sep 12)

Learning Outcomes (Sep 18 or 19)

Assessment (Sep 25 - Oct 3)


Learning Activities (Oct 16 - Nov 7)

Drawing It All Together (Nov 13 - Dec 5)

Blackboard Help

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 B091
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 B091
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

IMPACT FLC TEAMS – SPRING 2017

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

NICOLE HANDS, CNIT 270 CYBER SECURITY FUNDAMENTALS



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HUA CAI, IE 343 ENGINEERING ECONOMICS



MARK ZIMPFER, BCM 462 RESIDENTIAL DESIGN BUILD



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

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