

**COURSE CODE:** BCM 10001

**COURSE TITLE:** Introduction to Construction Management

**INSTRUCTOR:** Daphene Cyr Koch, Ph.D.

**COURSE LEARNING OBJECTIVES:**

1. Review the past, present and future of the construction management industry
2. Identify resources for student success and lifelong learning at Purdue and beyond
3. Demonstrate competencies in using computerized software to overview topics in Construction Management
4. Differentiate between material uses and applications on a construction project

**REASONS FOR TRANSFORMING THE COURSE**

1. **Increase teacher – student interaction; feedback**  
Instructor walks around and gives continuous feedback
2. **Engage students (motivation; involvement)** Continuous engagement
3. **Accelerate student learning** Self directed, self paced
4. **Increase experiential learning** Real world examples
5. **Increase peer-to-peer (collaboration)** Teach one another



**RESEARCH QUESTIONS IN ADDRESSED IN REDESIGN**

1. **Do activities increase student self – efficacy?**  
Researchers report that students who are more confident about their abilities to perform academic tasks are more successful in academic activities (Bandura, 1997; Pajares, 1996, 1997; Pajares & Schunk, 2005).
2. **What activities do students believe are most helpful?**



**IMPROVEMENTS TO STUDENT LEARNING FOSTERED**

1. **Increase student self-efficacy**  
Students' self-efficacy beliefs have been linked to achievement in such critical academic areas as: reading and writing (Shell, Colvin, & Bruning, 1995; Shell, Murphy, & Bruning, 1989), mathematics (Hackett & Betz, 1989; Pajares & Miller, 1994), science (Britner & Pajares, 2001)
2. **Increase student retention and graduation rates**  
Students better understand the career paths and expectations of the major.

**GREATEST BENEFITS FROM PARTICIPATING IN THE IMPACT PROGRAM**

1. **Student success!**
2. **Watching students learn and seeing the light bulb light up!**
3. **Positive feedback from the students**
4. **Research related to teaching**

