

## ***Design and Implementation of Cooperative Learning and Problem-Based Learning: Strategies from the National Academies Workshop on the Knowledge Economy and Postsecondary Education***

**Karl Smith**

Purdue University &  
University of Minnesota

**Monday, August 10**

**9 a.m.–12 p.m.**

**Milton Hall Room 50**



How can we structure our courses to ensure that they lead to enhanced learning? How can the *Understanding by Design* approach developed by Wiggins and McTighe assist us in our planning? Participants in this interactive session will explore the professor's role in designing and structuring cooperative and problem-based learning to create high-quality learning environments for students.

The workshop will include a simulated exercise and video examples from actual classes as well as the supporting theory and research. There will be ample opportunities in the afternoon work session for participants to design and structure cooperative learning and problem-based learning in their lessons, courses, and programs.

### Session Objectives

1. Participants will be able to describe key elements of the backward design process (Wiggins & McTighe, *Understanding by Design*):
  - Identifying student learning outcomes
  - Developing acceptable evidence of student learning
  - Planning instruction
2. Participants will begin applying key elements to the design on a course, class session or learning module

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