Implementing Hybrid Teaching Models: Methods and Resources

Engineering Teaching Workshop 2013

January 15th
Spahr Classroom, Eaton Hall
Agenda

8:15  Welcome  Dr. Stan Rolfe, Interim Dean
8:20  Introduction  Dr. Glenn Prescott, Chair EECS
8:30  Session 1: Hybrid teaching Methods and Resources

  8:30  Motivation for Hybrid Teaching: Scale Up  
        Dr. Robert Beichner, NC State
  9:05  Technology Options for Implementation  
        Dr. Susan Williams, CPE
  9:40  Resources from the Center for On-Line and Distance Learning  
        Julie Loats, Director of CODL
10:15 Variations on Hybrid Class Structure  
        Dr. Dan Bernstein, CTE

10:45 Break
11:00 Session 2: Break out for Department Planning
11:30 Re-Group and Report
12:00 Lunch
Welcome

Interim Dean Stan Rolfe
Introduction

Dr. Glenn Prescott, Chair EECS
How We Got Here

• Spring 2012 - Dr. Bob Beichner presented motivation for hybrid teaching methods

• Teaching and classroom advisory committee formed for LEEP2
  – Benchmarking visits to Purdue and Minnesota
  – Meetings with Architects
  – Meetings with faculty peers
60, 90, 120-seat classrooms

INTEGRATED TECHNOLOGY DESIGN CONCEPT:

- MEDIASCAPER TABLES, 6 SEATS
- PERIMETER AND MOBILE WHITE BOARDS. MONITORS LOCATED AT EACH TABLE UNIT
- ACCESS TO TECHNOLOGY THROUGH TABLE
- ABILITY TO HAVE FRONT-FACING & ACTIVE LEARNING LAYOUT. FRONT OF ROOM TEACHING STATION.
Other option, 160-seat
Why We Are Here Today

• To prepare faculty to take advantage of new classroom facilities
• To learn how we can engage students in a way that pure on-line courses cannot
• To understand how we might increase learning and student retention using new technology and pedagogy.
Session 1: Hybrid Teaching Methods and Resources

8:30  Motivation for Hybrid Teaching: Scale Up
      Dr. Robert Beichner, NC State

9:05  Technology Options for Implementation
      Dr. Susan Williams, CPE

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      Julie Loats, Director of CODL

10:15 Variations on Hybrid Class Structure
      Dr. Dan Bernstein, CTE
Session 2: Break out for Department Planning

Please team up with members of your department to answer the following questions

(~10 minutes for each question):

• **Question 1**: What are key courses in your curriculum that should implement hybrid teaching methods first?

• **Question 2**: How can you best coordinate curricular content between multiple instructors of the same course?

• **Question 3**: If you were to stage development of hybrid teaching methods in key courses over the next 4 semesters, what goals would you make for each semester?
Concluding Thoughts

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Concluding Thoughts

• **Question 2**: How can you best coordinate curricular content between multiple instructors of the same course?
Concluding Thoughts

• **Question 3:** If you were to stage development of hybrid teaching methods in key courses over the next 4 semesters, what goals would you make for each semester?