





#### Handbook of Blended Learning (HOBLe)

- University of Phoenix, Capella University, JIU, National University
- · Microsoft, IBM, Sun, Cisco, Macromedia, Oracle, WebCT
- · The World Bank, the DOD in USA
- · In Canada: York University and the University of Calgary
- · Other universities in Japan, Korea, Malaysia, Singapore, China, NZ, South Africa, Israel, Mexico, Australia, Wales, England, USA



JAZZ

#### **Blended Learning: Two Parts**





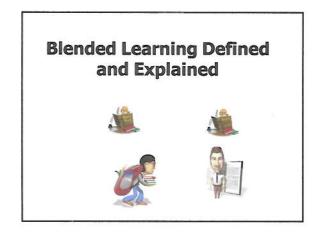
(When do blends make sense?)

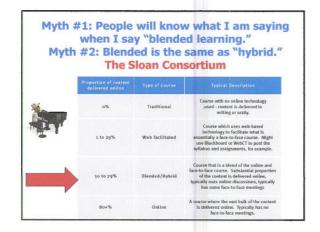


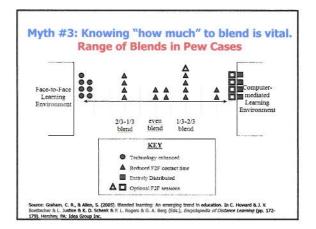






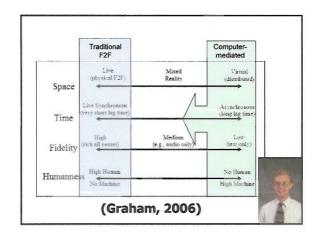


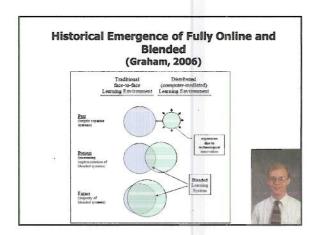




Myths #4: Blended learning is easy to define.
Myth #5: Blended learning is hard to define.
Blending Online and F2F Instruction

• "Blended learning refers to events that combine aspects of online and face-to-face instruction" (Rooney, 2003, p. 26; Ward & LaBranche, 2003, p. 22)





## Myth #6: Blended learning works everywhere. Where is Blended Beneficial?

- Large Classes (spanish, intro psych, algebra, elementary statistics, biology)
- Classes with working students
- · Students spread over a distance
- · Classes with certification
- · Classes with need for standardization
- · New requirements for a profession
- · Writing intensive classes
- · Theory classes



### Examples of Blended Learning, Margaret Driscoll, e-Learning, March 2002

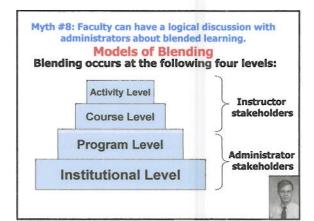
- Put assessments/reviews online
- Follow-up in community of practice
- Put reference materials on Web
- · Deliver pre-work online
- Provide office hours online
- Use mentoring/coaching tool
- Access experts live online
- Use e-mail and instant messaging

# Myth #7: People learn more in face-to-face settings than blended or fully online ones. Fully Online and Blended Learning Advantages

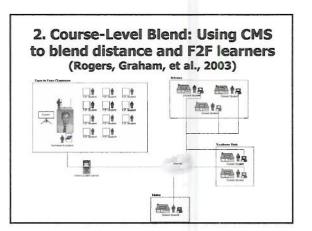
- 1. Increased Learning (better papers, higher scores)
- 2. More effective pedagogy and interaction
- Course access at one's convenience and flexible completion (e.g., multiple ways to meet course objectives)
- Reduction in physical class or space needs, commuting, parking
- Increased opportunities for human interaction, communication, & contact among students
- 6. Introverts participate more

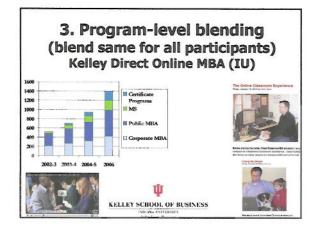






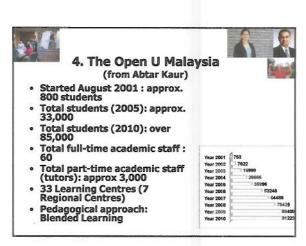
# 1. Activity- and Course-Level Blends Blended learning systems: Definitions and directions (Osguthorpe & Graham, 2003) Learning Activities Students Definitions and directions (Osguthorpe & Graham, 2003) Learning Activities Students Definitions Functions Oalize Oalize Oalize Oalize Oalize Instructor Oalize Instructor Oalize Instructor





A. Enabling Blends	Enabling blends primarily focus on addressing issues of access and convenience; provide similar learning experiences.
B. Enhancing Blends	Enhancing blends allow for incremental changes to the pedagogy; additional or supplementary online resources.
C. Transforming Blends	Transforming blends are blends that allow for a radical transformation of the pedagogy and learner construction of knowledge.





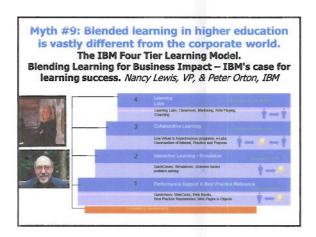
4. Institutional-level Blending (Brian Linquist, University of Phoenix)



- · Completely online courses
- · Residential F2F courses
- Blended Courses
  - Local Model = 5 week courses with first and last week F2F
  - Distance Model = 5 week courses with half first and half last week F2F (the last meeting of one course is coordinated to be back-to-back with the first meeting of the next 5 week course)







#### Myth #10: If you read the enough research you will be able to know the impact of blended learning.

- 1. Improved Pedagogy
  - · Interactive vs. Transmissive environments
  - Authenticity integration into work
- 2. Increased Access/Flexibility
  - · Reduced seat time courses UCF M courses
- 3. Increased Cost Effectiveness
  - Corporate: ROI IBM 47:1, Avaya, Microsoft
  - Higher Ed: PEW Grants

#### Part II: 13 Fully Online and Blended Learning Problems and 35 Solutions



#### Problem Situation #1: Brief FTF Experiences

 Face-to-face (FTF) experiences are brief, one-week journeys.
 Need to need to build selfconfidence, create social supports, teams, camaraderie, etc.

# Ok, Million Dollar Question: What can you do in 1 week?



# Blended Solution #1+. Sample Activities for Brief Meetings

- Assign web buddles, email pals, critical friends based on interests, confidence, location, etc.
- Ice breakers—paired introductions, corners.
- 3. Solve case in team competitions with awards.
- 4. Test technology in a lab.
- Assign teams and exchange info for small teams using text messaging.
- 6. Library (digital and physical) scavenger hunt.
- 7. Do a podcast documenting the meeting.
- 8. Have everyone create a blog on the experience.
- 9. Open an e-portfolio for each student
- Brainstorm how might use technology in program.

#### Problem Situation #2: Student Absenteeism

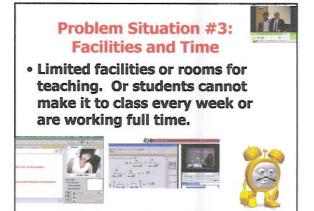
 Students miss class to attend a conference or event or a personal problem arises. Or students asks to watch the class a second time.



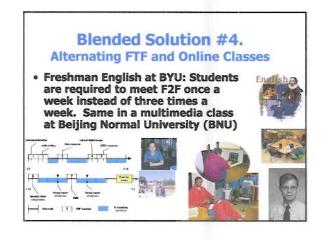












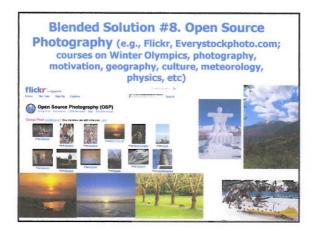
# Problem Situation #4: Web Supplemental Activities

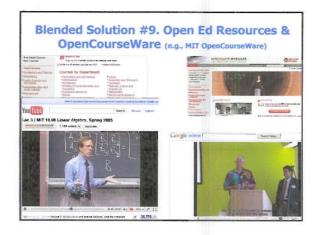
 Fail to finish class discussion or other activity in time. Or desire to integrate the Web more in your face-to-face instruction or outside of class. Want to provide course resources and activities for students to explore.







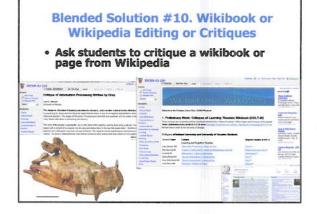




#### Problem Situation #5: Student Learning Control

 Want to give students more control and ownership over their own learning. Want to foster student generative learning or being authors of their own knowledge.







#### Problem Situation #6: Preparedness for the Profession

 Students are not prepared for their professions when they graduate. Or want to better apprentice students into their chosen profession. What to provide opportunities to work with practitioners, experts, mentors, and coaches in authentic learning environment.













#### Problem Situation #7: Collaborative Skill Deficit

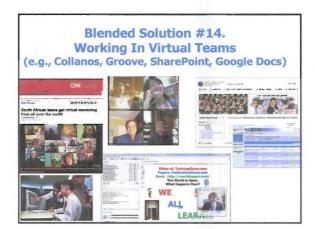
 Students need collaboration and teamwork skills. Want to build virtual teaming skills in class activities or work with learners in other locales or situations.

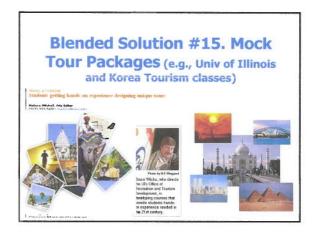






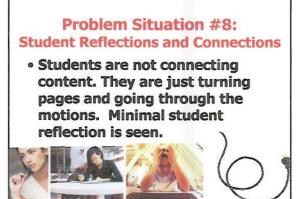






# Blended Solution #16. Online Role Play (Tulane University, Exercise for Renewable Energy, Freeman Sch. of Business, roles include power traders, electric utility analyst, independent power producers & utility dispatchers)







#### Problem Situation #9: Learning Community

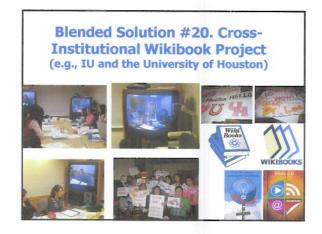
 There is a preference for creating an online learning community in order to increase student learning and retention in the program. Such a community might be in a single class or across a series of classes.











#### **Problem Situation #10: Need to Visualize Content** Content is highly visual in nature and difficult to simply discuss in class. Or students have a









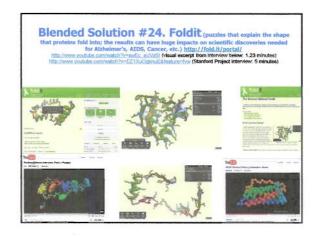


### Blended Solution #22: Shared Online Video Demonstrations (e.g., Monkey See)

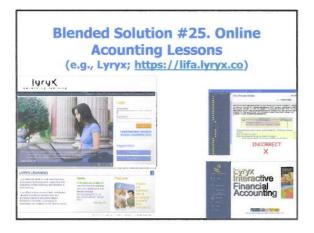


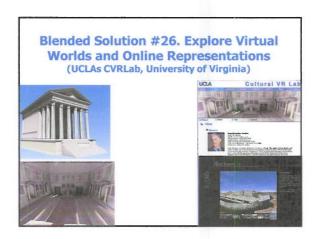
#### Blended Solution #23. **Virtual Tours and Timelines** (i.e., HyperHistory; http://simile.mit.edu/timeline/)

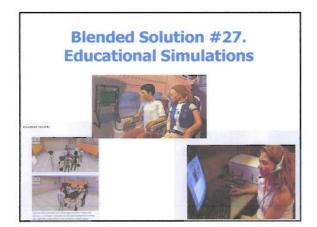




# Problem Situation #11: Need for Hands-On Learning • To learn the material requires that students try it out in a lab or real-world situation. Or students prefer hands-on learning activities.

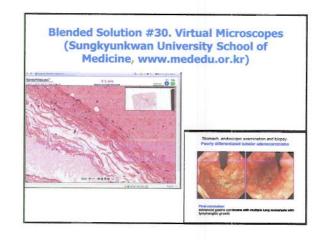




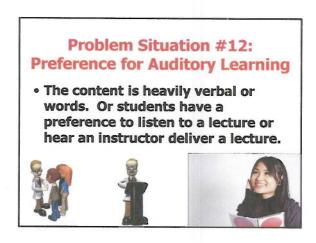


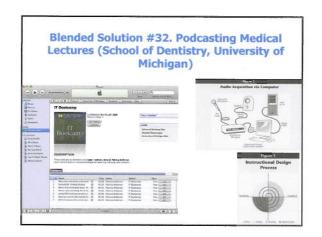














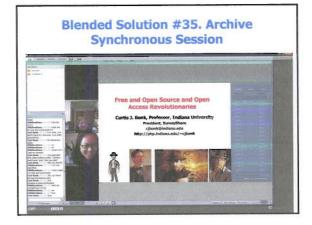


#### Problem Situation #13: Lack of Instructor Presence

 Students need to see or hear from the instructor. They need a sense that the instructor is supporting their learning. They prefer face-to-face but are willing to try online.







# Trends, Implications, and Challenges for Blended Learning

- 1. Faculty and students are more mobile.
- 2. Students more choices.
- 3. Student expectations rise.
- 4. Greater self-determined learning.
- 5. More corporate university partnerships.
- 6. Courses increasingly modular.
- 7. Less predefined schedules.
- When teaching less clear; when learning less clear.

#### Again, this talk covered...

- 1. Definitions of blended learning
- 2. Advantages and disadvantages
- 3. Models of blended learning
- 4. Examples of blended learning
- 5. Predictions for blended learning
- 6. Challenges for blended learning





