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#### **BLENDED COURSE DESIGN: DAY 1**

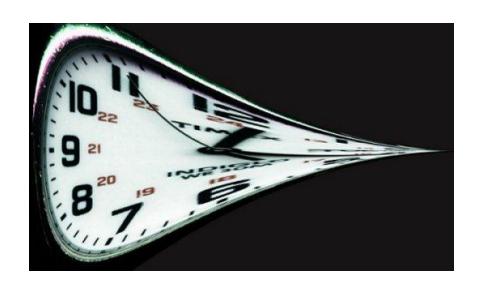
## http://tinyurl.com/UoH-blended WIKI W/ RESOURCES

### The Basics of Blended: What it IS and IS NOT

Proportion of Content Delivered Online	Type of Course	Typical Description
0%	Traditional	Course with no online technology used — content is delivered in writing or orally.
1 to 29%	Web Facilitated	Course which uses web-based technology to facilitate what is essentially a face-to-face course. Uses a course management system (CMS) or web pages to post the syllabus and assignments, for example.
30 to 79%	Blended/Hy brid	Course that blends online and face-to-face delivery. Substantial proportion of the content is delivered online, typically uses online discussions, and typically has some face-to-face meetings.
80+%	Online	A course where most or all of the content is delivered online. Typically have no face-to-face meetings.
Allen, Seaman and Garrett, Copyright ©2007 by Sloan-C™		

#### What is the % blend?

- University of Central Florida mix of study modes
  - pure distance
  - face-to-face
  - between 90–10 and 10–90 (Brown, 2001) .
- Time per course (semester):
   90-135 hours



#### Hybrid vs. Blended

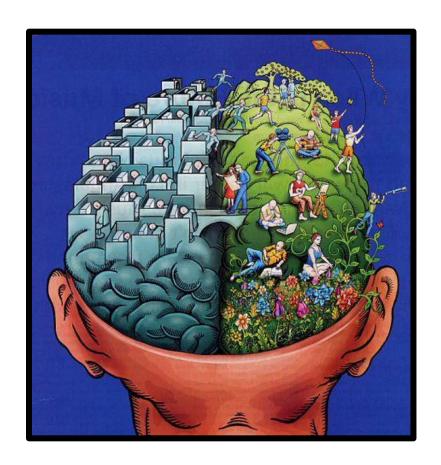








#### Trends in blended



From http://maine121.org/tag/visualization/

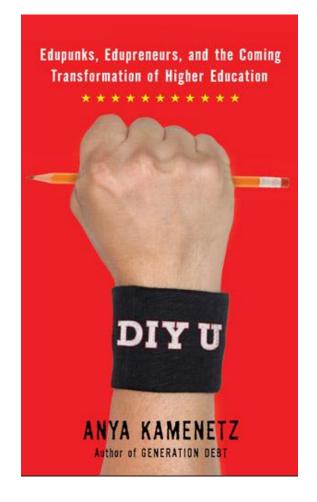
- 50-70% + institutions in US offer blended
- Women participate and succeed in blended/online courses at a higher rate than do men
- Web 2.0 and mobile tech have higher level of integration that in F2F
- Reported formal and informal learning work together
- Combination of individual assets + virtual teams
- Students tend to earn higher grades (Penn State)
- Equivalent retention as F2F
- Accelerated learning is often a result

#### Blended courses can...

- Lead to using more
   participatory and student centered learning activities
- Transform the teacherstudent relationship to be more focused on student learning
- Transform the instructor role to be more facilitative and learner-centered
- Other?



#### Guided informal learning



iTunes U















#### Two sides of blended

Appeal?



**Challenges?** 



#### What does this mean for us?

- Learner preparedness and preparation
- Organization and explanation of course
- Scope of course content and activities
- Course standards and expectations



#### THE MODELS



#### Focus: What's your model?

- What do you look for/want in a framework for developing a blended course?
- What helps you develop a course?

#### Workforce Blended/Hybrid Model

- Two or more forms of distinct methods of instruction, such as
- ✓ Classroom + online (traditional blended)
- ✓ Online + mentor or coach (e.g., independent study)
- ✓ Simulations with structured classes (e.g., Second Life™ and FTF)
- ✓ On-the-job training + informal learning (e.g., internships)
- ✓ Managerial coaching + eLearning (e.g., practicum)

#### U of Wolverhampton Model

- Creative and stimulating use of electronic content
- 2. Collaborative Learning
- 3. Formative Assessment with integrated feedback
- 4. <u>Electronic Personal Development Planning ePDP</u> to increase learner's awareness of themselves,
- 5. Save time and paper with **electronic assignments**



#### Hybrid + Flexible = HyFlex

- ✓ Learner Choice: Provide meaningful alternative participation modes and enable students to choose between participation modes weekly (or topically).
- ✓ Equivalency: Provide equivalent learning activities in all participation modes.
- ✓ Reusability: Utilize artifacts from learning activities in each participation mode as "learning objects' for all students.
- ✓ Accessibility: Equip students with technology skills and access to all participation modes.

#### Two Course Types

#### Type A

Small to moderate interactive classes

- Content presentation and class discussion
- Ex: Graduate seminars



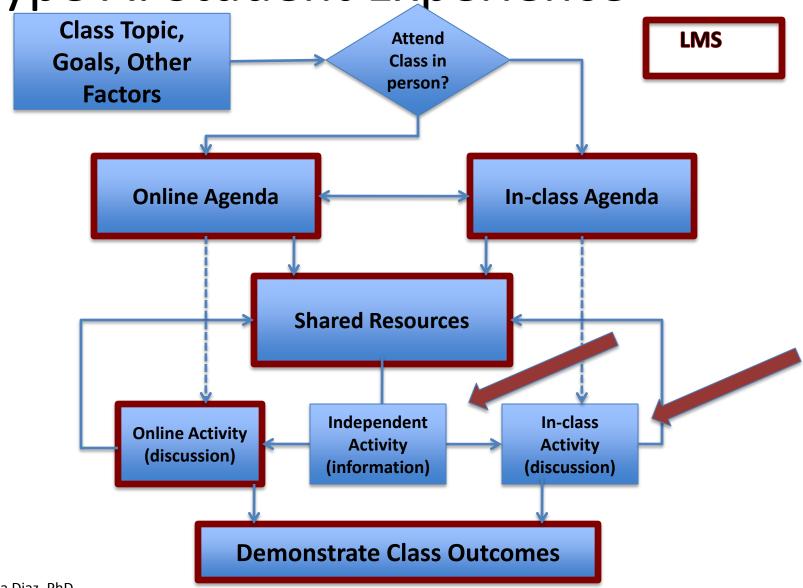
#### Type B

Large lecture classes

- Minimal in-class interaction among students and faculty
- Ex: Undergraduate required courses

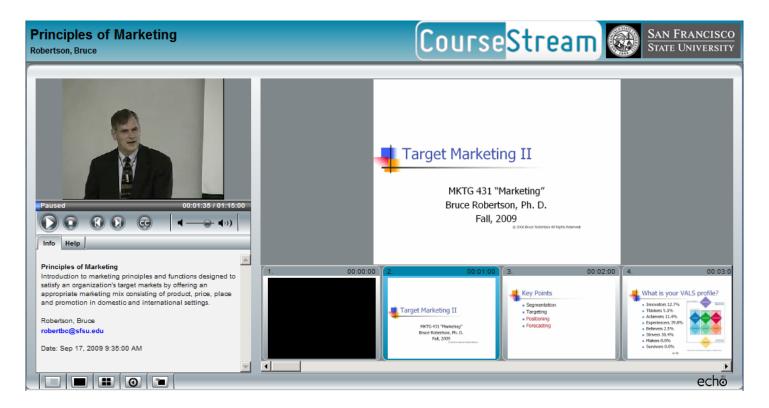


Type A: Student Experience

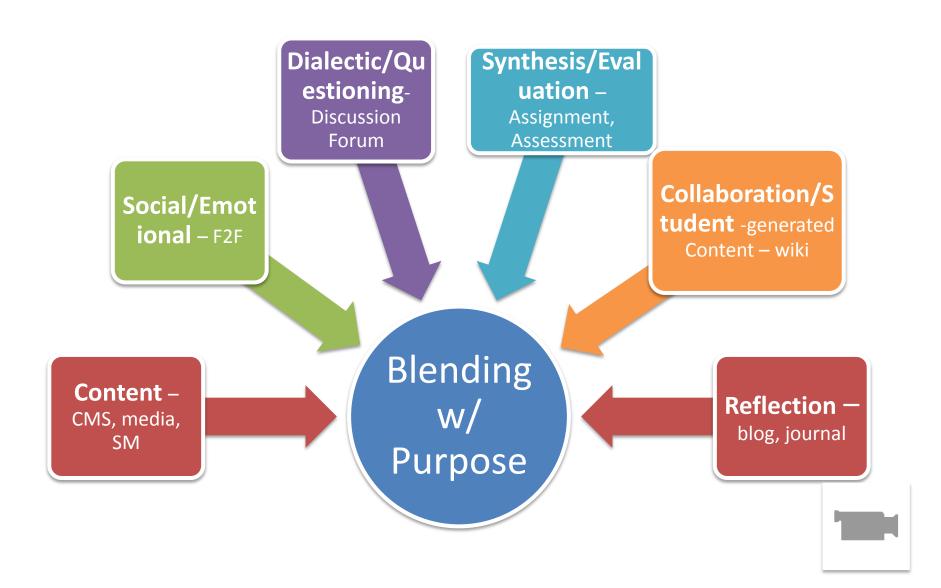


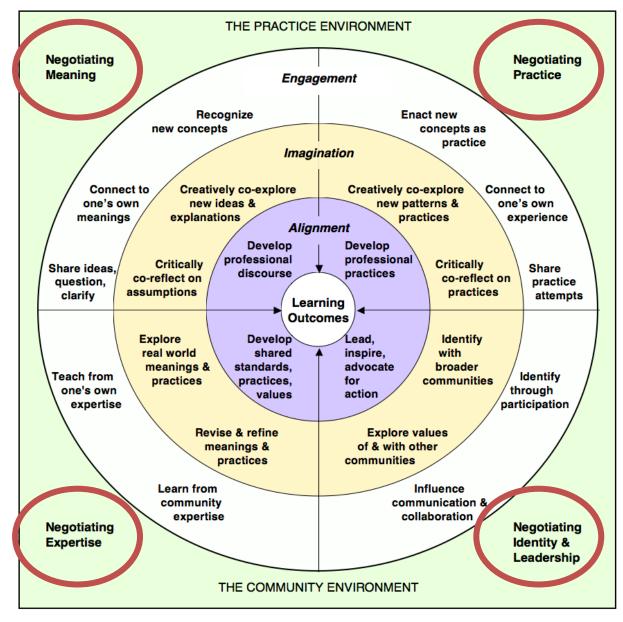
#### Type B: Lecture Capture

Lecture capture technology is capable of packaging and distributing lectures in different formats (Rich media echo, Podcast (MP3), Enhanced Podcast, Video).



#### The Multimodal Model (Picciano)





From http://www.jyukawa.com/research.html

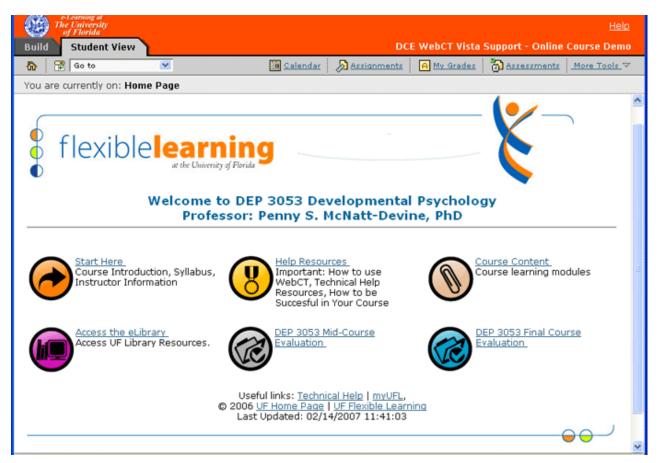
Yukawa, J. (2010). Communities of Practice for Blended Learning: Toward an Integrated Model for LIS Education. *Journal of Education for Library and Information Science* 51 (2), 54-75

#### CoP Example SME approach



#### What is your model?

# What Goes Where and When: Determining Classroom, Blend, and Online Components



#### What goes Where

#### Instructional framework

- Learner-centered
- Big Ideas
- Process/Content driven
- Pedagogical Navigation



#### Pedagogical Navigation



http://www.youtube.com/user/CourseSites

http://www.lamsinternational.com/

✓ Include Sample Content

#### Description:

This course structure is ideal if you use projects as way to organize your instruction and materials, as well as encourage independent and group work.

Course Menu items can be renamed or removed, and additional items can be added.

#### 

What's New and Due

Course Overview

Instructor Information

Projects

Learning Aids

Project Groups

Course Wiki

Individual Blogs

Live Collaboration

Let's Chat

My Progress

Additional Tools

Student User Guide

Instructor Alerts 🔽

Instructor Alerts 🗹



✓ Include Sample Content

#### Description:

This course structure is ideal if you instruct a science-based course, which may contain lab experiences.

Course Menu items can be renamed or removed, and additional items can be added.

#### 

What's New and Due

Course Overview

Lead Scientist

#### Units

Lab Materials

Experiment Journal

Scientific Discussions

Course Blog

Wiki Glossary

Live Lab

Helpful Resources

My Grades

Additional Tools

Student User Guide

hotractor Alorto



✓ Include Sample Content

#### Description:

This course structure is ideal if you follow a cooperative learning approach to your teaching, where student works in groups and use social learning tools to build knowledge and accomplish objectives.

Course Menu items can be renamed or removed, and additional items can be added.

#### 

Course Homepage

Syllabus

Facilitator

Learning Resources

Working Groups

Course Wiki

Blogs

Learning Journal

Live Classroom

Text Chat

My Progress

Additional Tools

Student User Guide

Instructor Alerts 🗾



#### MAKING THE BLEND

#### F2F

Maximum Satisfaction

Relevant

#### **Online**

Meaningful

Informative Feedback

#### **Blend**

Time-based

**Authentic** 

# Considerations

#### What modality? Pepperdine...

#### F2F

- Building relationships
- Fostering personal report
- Establishing class norms
- Team-building activities
- Integrating large & small groups
- Addressing delicate matters
- Proctoring exams

#### **ASSURANCE**

#### **Synchronous**

- Reducing commute time
- Student review of minilectures
- Time-intensive activities
- Deep engagement with materials
- Peer review and feedback
- Student online presentations
- Take-home quizzes
- Practice exams
- Team project work

**ACTIVITY with CONTENT/OTHERS** 

#### Strategic modality? Pepperdine...

#### **Remote Online**

- Reducing commute time
- Team collaboration
- Peer-to-peer instruction
- Conferring one-on-one
- Integrating guest speakers
- Online group activities
- Conducting class while traveling

#### Multi-campus

- Reducing commute time
- Enhance enrollment flexibility
- Group activities and projects
- Integrate guest speakers
- Record class sessions



## Chunking the schedule

RED= Class
GREEN= Out of Class



	NOTE: Student taught modules are in GREEN!							
	module	topic	dates	location	reading	what is due during the module		
	Pre-course	Open learning	Before 9.1.08	NA	What it takes to be a successful online learner Richard Baranluk: Goodbye, textbooks; hello, open-source learning Video			
	1	What is the nature of distance education?	aug 27 to sept 10 -Meet on Sept 8	DB 1.120	Ch. 1&2	Successful Online Learning     Team Member's Attributes Discussion     Theory and Course Design (10 pts)		
	<u>2</u>	What does distance learning look like?	sept 8 to 22 - Meet on Sept 15	DB 1.120	Ch. 3&4 Teaching a Module	Distance Learning Survivor! (10 pts)     Distance Learning and You (5 pts)		
	3	What are the design principles for distance learning?	sept 22 to 29 Meet on Sept 22	DB 1.120	Ch. 5	1. DL Module Plan (5 pts)		
	4	Who are the most successful distant learners?	sept 29 to oct 6 Meet on Sept 29	DB 1.120 at 6 PM	Ch. 6 Teams: <u>Text Site</u>	1.Interview of a distant learner (5pts)		
,	<u>5</u>	What do we need to know about teaching at a distance?		DB 1.120 at 6 PM	Ch. 7 Logic Map Lesson Plan Template	Best Practices (10 pts) Team 1, Team 2, Team 3, Team 4 due sept 29     Learner Self Assessment for CH 8 Note: Chapter 8 Team must turn in		
					realist <u>rext bite</u>	oathine/draft plan by oct o		
	6	How should we design materials for distance learning?	oct 13 to 27	online CH 8 Team-	Chapter 8 Handouts, etc. Teams: <u>Text Site</u>	Team Teach (10 pts) Assignments (5 pts total) Note: Chapter 9 team must turn in outline draft by oct 20		
	7	What is unique about online learning?	oct 27 to nov 10	online CH 9 Team	Chapter 9 WWW, Internet & DE Teams: <u>Text Site</u>	Team Teach (10 pts)  CH 8 Team Self Assessment and Reflection Assignments (5 pts)  Learner Self Assessment  Note: Chapter 10 team must turn in outline draft by nov 3		

## Example: The Class Schedule

- Three days prior to their next on-campus meeting, students are given a question or problem to discuss online.
- During the face-to-face class, the instructor projects the online discussion thread, then continues the discussion with a group of participants who are now better prepared and engaged.
- The instructor creates a private online discussion area (a "journal")
  for each student in the course; students post questions and drafts
  of their work, and get feedback from their instructor.
- Students research and prepare aspects of team projects online, post them to the online discussions for debate and revision
- Students present team projects to the on-campus class for final discussion and assessment.

### Intervals?

- 1. Time needed to process new information
- Time needed to prepare processed information
- 3. Time needed to **respond** (synchronous events)

**Recommendation:** Provide time estimates for assignments and asynchronous activities.

## **Example Intervals**

### **Principle**

 Time is needed to process new information

- Time is needed to prepare processed information
- Time is needed to respond (synchronous events)

### **Application**

- Read (2 hours), watch (20 min., discuss (1 hour chat) the chapter on social conflict (over 3 days)
- Create a Voicethread™ that illustrates your position on the causes of and solutions for social conflict (1 week)
- In chat, count to 10 before responding

# Blended Choices

## Deciding What goes Where

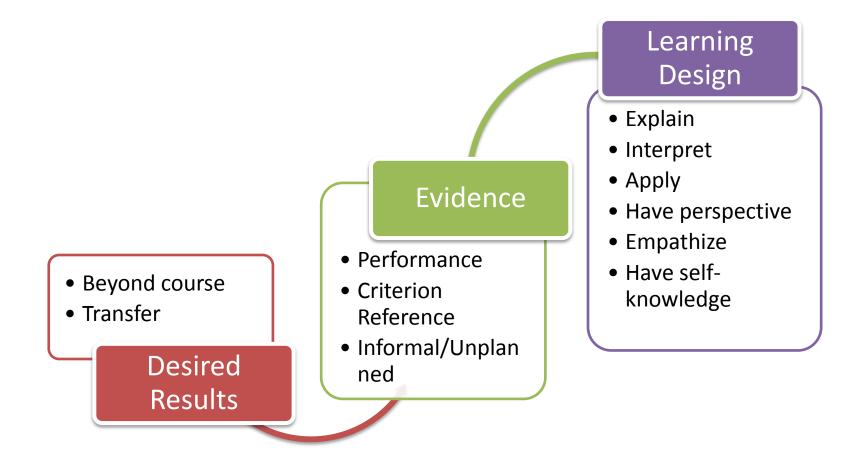
- Give them something in each mode that they want, need and/or cannot get any other way
- Relate to their academic or personal interests: choices
- Provide privileges/acknowledgements for meeting or exceeding expectations
- Offer samples of work, peer reviews, benchmark assessments

### Your course

- What happens (or can) in the classroom?
- What happens (or might) outside the classroom?
- What must be provided for students to be successful?

### **Best Practices**

## Backwards Design



## Overview of Re-design Process

Objectives Assessment Activities/Assignments

## **Backwards Design Applied**

Communicate to multiple audiences

Desired Results

### Evidence

- Blog post (visits/posts?)
- Video (hits/downloads?)
- eZine (posts/subscription ?)
- User rating?
- Peer/expert critique?

## Learning Design

- Observe
- Study/Research
- Design
- Test/pilot
- Revise
- Implement

## Mental Function and Skill Level: Five Stage Model

	Novice	Competent	Proficient	Expert	Master
Recollection	Non- situational	Situational	Situational	Situational	Situational
Recognition	Decomposed	Decomposed	Holistic	Holistic	Holistic
Decision	Analytical	Analytical	Analytical	Intuitive	Intuitive
Awareness	Monitoring	Monitoring	Monitoring	Monitoring	Absorbed

### Modes: Successful Practices

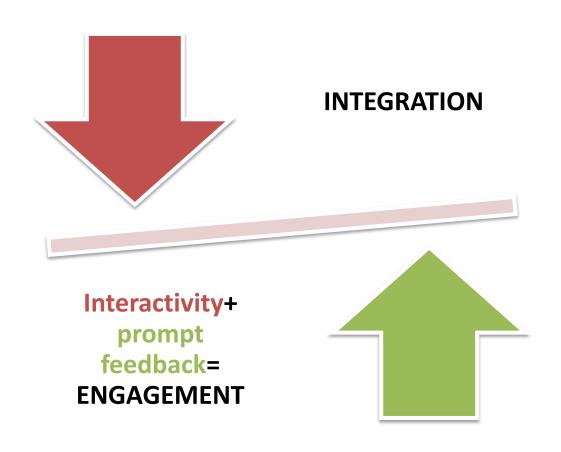
### Face-to-Face

- Formal: instructor-directed
  - Workshop style
  - Hands-on (labs)
  - Coaching/mentoring
  - OJT
- Informal: Learner-centered
  - Community/teams
  - Role modeling

### **Online**

- Structured Interactions
  - Collaborative/integrated
  - Independent/self-directed
  - Single stream conversations:
     email + discussions

### F2F – Blend - Online



### Recommendations for Discussions

- ✓ Assess online discussions
- ✓ Create an online discussions activity which draws on the strengths of the medium and is genuinely discursive
- ✓ Introduce students to the **role of online discussions** within the course
- ✓ Use the **strengths of the F2F** discussion environment
- ✓ Monitor (only) the online discussions and consistently include them within the F2F discussions

## **Technology Use**

### Yes

- Form habits
- Model 1<sup>st</sup> use
- Relevant
- Benefit to learning

### No



### **Assessment Practices**



- Preferred online
  - Campus proctored exams
- Disconnect: active learning – objective assessments vs. performance assessments
  - Rubrics
  - Checklists
  - Rating scales

## Aligning your objectives with...

### 3 A's

- Activity
- Assignment
- Assessment (formal, informal)

### **Example**

- In class: students bring examples (news, experience, research) of 21<sup>st</sup> century learners
- Out of class: teams complete <u>webquest</u>
- In class: Peer and instructor grade of findings

## Lunch!

## What Blended Courses Look Like: Looking at Real Courses

### Course Rubrics can be used...

- ✓ As a design guide
- ✓ As a quality assurance process
- ✓ To check for alignment
- ✓ To consider the needs of all learners
- ✓ To make the design process transparent
- ✓ To provide a foundation for the syllabus

## Most based on Quality Matters™

## Designed for ONLINE courses

- Learning Objectives
- Assessment & Measurement
- Instructional Materials
- Learner Interaction & Engagement
- Course Technology
- Learner Support
- Accessibility





## Looking at Examples

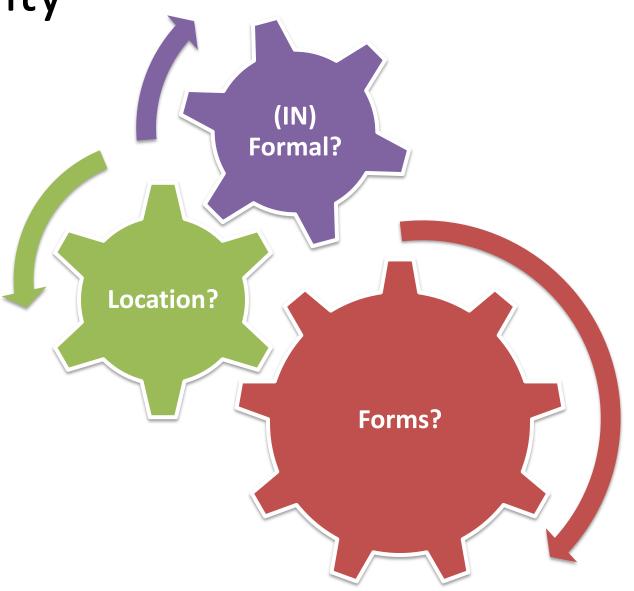
- 1. Instructional Design
- Communication,
   Interaction,
   Collaboration
- 3. Student Evaluation and Assessment
- Learner Support & Resources
- 5. Web Design

Go to http://tinyurl.com/Uo H-blended

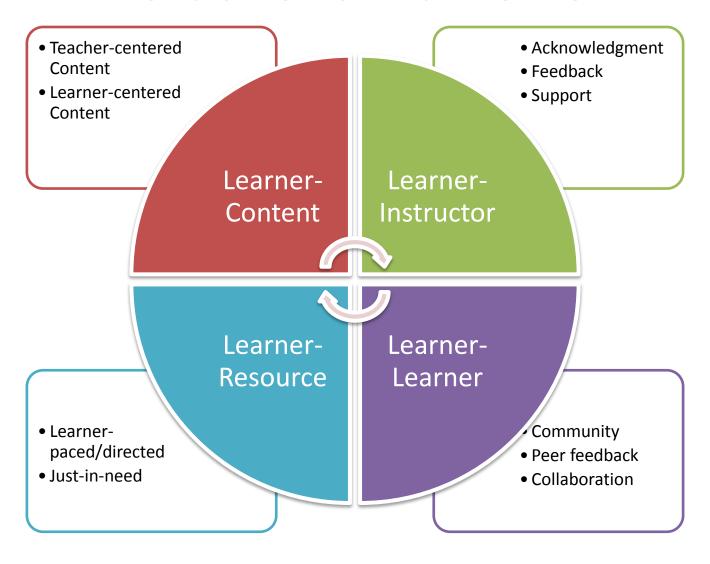
- Use GCC rubric
- Click on Course
   Examples: web courses
   or syllabi
- Select a course and review at least three areas.

## Interactivity through Technology: Engaging the Learner with Relevance

Interactivity



### Interactions Framework



## Example: Marist Interaction

#### Learner: Content

- Teacher-designed?
- Learnerconstructed?
- Streaming video?
- Classroom lecture?
- Student reports?

### Learner: Instructor

- Feedback?
- Acknowledgement?
- Student of the week?
- Instructor as team member/consultant?

### Learner: Learner

- Community
- Peer Feedback
- Collaboration
- Wiki? Live chats?
- Classroom breakout groups?
- Peer review?

## Interactivity for the Learner

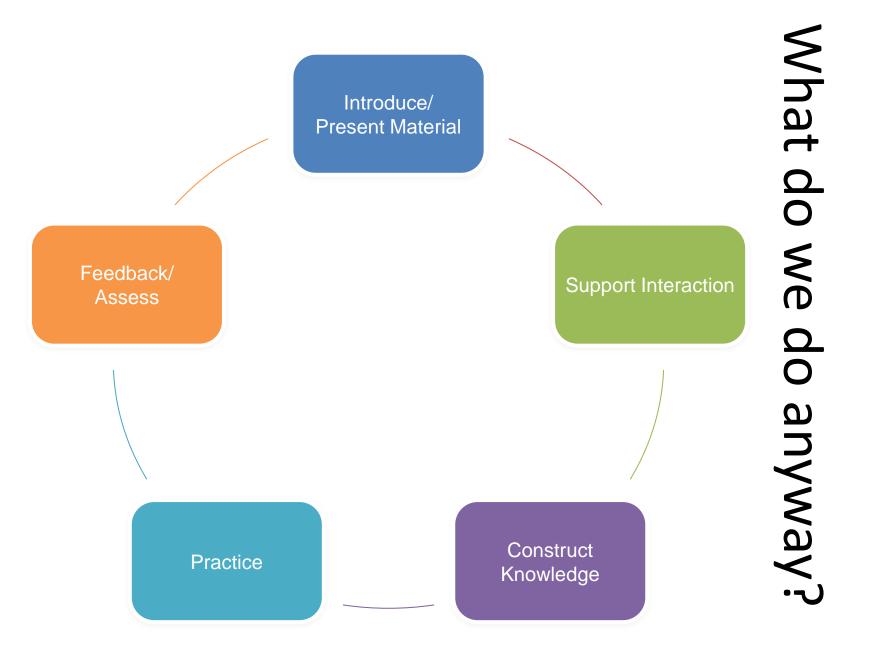
### **Activities can...**

- Bridge F2F and online
- Focus content learning
- Support rehearsal
- Reinforce objectives
- Be a part of incremental learning
- Shift content presentation source

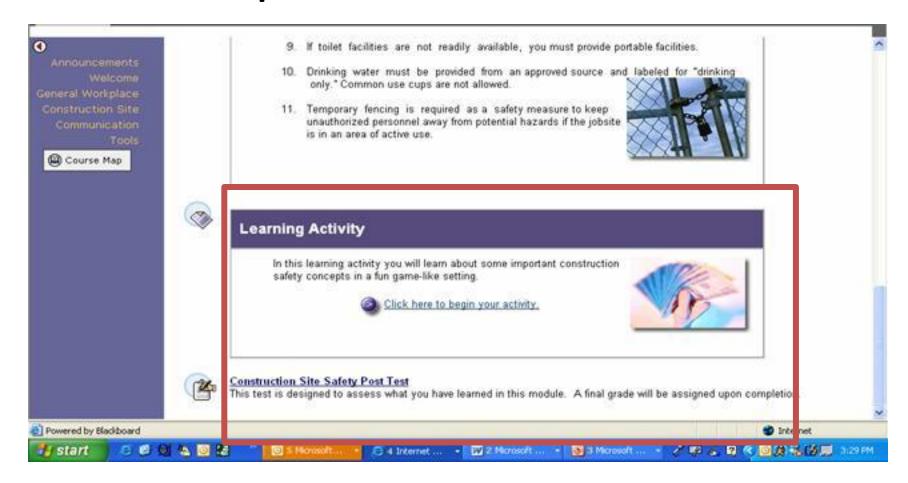
### Assignments should...

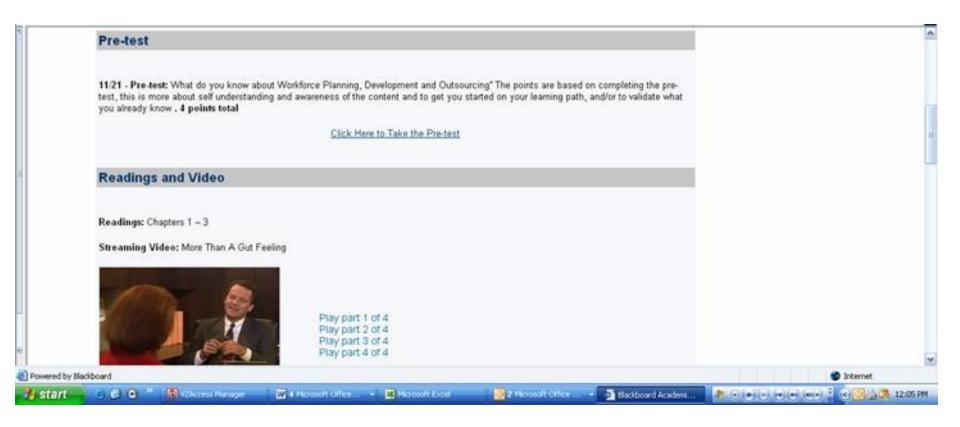
- Serve a purpose
- Require accountability
- Offer options, when possible
- Provide opportunity for practice
- Be a **bridge** between locations
- Relate to activities and assessments
- Be a part of something bigger

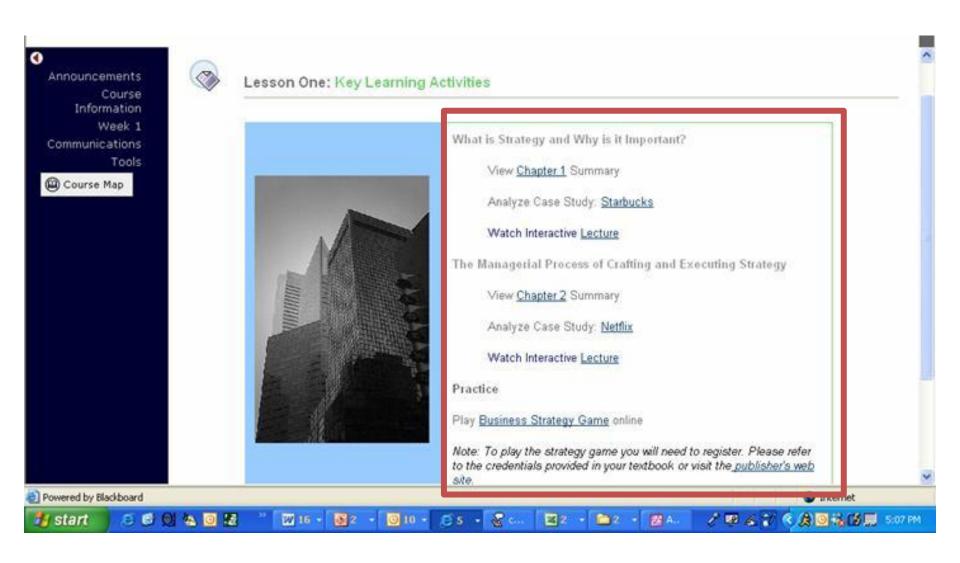
   or- Be a source of feedback
   (informal or formal)



## Example: Inside a Bb course







http://jolt.merlot.org/vol3no1/larson-daugherty.htm

### Introduce content online?

By introducing online, students can enter discussions anticipating interaction through:

- Answers to provided questions
- Hypotheses
- Leading conversation
- Other?

- Select a repository and identify a resource that could be used to introduce content
- http://www.merlot.org
- http://www.wisconline.com/
- http://mcli.maricopa.edu/re sources
- http://archive.nmc.org/proj ects/lo/repositories.shtml
- http://www.learningobjects.net/

### Where's the tech...

### In the Classroom

- Shared Docs
- Collaborative note taking
- Presentations
- Social bookmarking
- Response systems
- Backchanneling
- Concept Mapping

### In the Cloud

Classroom apps +

- Collaboration Tools
- Simulation
- Assessment
- Storytelling
- Research

## Examples

### **Presentations**

- Google Sites
- Weebly

### **Simulations**

 Utah's Anatomy App (m), <u>iPhone</u>

### **Assessment**

MOCA (m)

### Collaboration

Etherpad

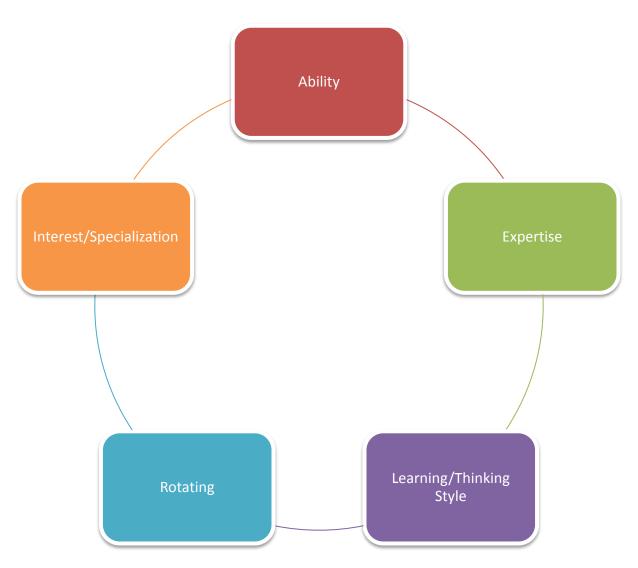
### Research

- Wikipedia (m)
- Library App (m) Boopsie

# Interaction in the blended class

	Classroom
Synchronous	Discussion, Groups
Asynchronous	
One-to-one	Dyads
One-to-many	Presentation
One-to-some	Groups
Some-to-some	Groups, Think- share-pare
Many-to-Many	Group Presentations, Competition

# To group or not to group



# Getting your interaction on?

- How does interaction support learning (objective)?
  - Knowledge Acquisition?
  - Practice?
  - Rehearsal?
  - Assessment?
  - Skill development?
- 2. What is student getting out of interaction?





# Implementing and Evaluating the Course

# What do you think?

What are the top needs of Blended students?

# **Understanding Readiness**

## **High stake thresholds**

- Higher education expectations?
- Program completion?
- Technology access/literacy?
- Technology literacy?
- Learning Style/Preference?
- Classroom/Online component expectations?

## Surveys focus on

- Time Management
- Learning Style
- Communication Skills
- Self-motivation

## Penn State Student Readiness

- Most students had the necessary technology and self-management skills
- 80% indicated that an online or hybrid course required them to take more responsibility to "teach themselves"
- 50% indicated that this enhanced their learning
- 50% indicated that it made the course more difficult.

## Penn State Student Readiness

- Reported study time for all formats was 5-6 hours per week
- Most common benefit: ability to manage their schedules more effectively
- Responsibility for managing time forced them to improve their skills
- Learners weren't sure what they signed up for –
   higher withdrawal rate
  - One-third encountered technical problems
  - Fewer than 50% said they received guidance or knew how to get technical help

## Learner Continuum

#### Not Ready

- Never taken blended/online course
- Advising?
- Tutorials?
- Set expectations?
- Other Support?

#### Ready

- Taken blended/online course or skilled
- Model behaviors?
- Provide course review?
- Set expectations?

#### Experienced

- Taken multiple blended/online courses
- Lead activities?
- Selfpaced/directed?

## **Critical Considerations**

#### **Supports**

- Hardware/software 
   http://www.deakin.edu.au/
   software/news/welcome.ph
- Feedback
- Clarification
- Other?

## **Strategies**

- Screening
- Reinforce expectations
- Consistency in design and schedule
- Communicate expectations clearly

## WHAT ABOUT INSTRUCTORS?

# Blended skills: What is your rank?

- Multimedia
   Technology
- 2. Administration/Leader ship
- 3. Active Learning
- 4. Classroom Decorum
- 5. Policy Enforcement
- 6. Technological Competence
- 7. Responsiveness

## Blended skills: Actual

- Multimedia
   Technology
- 2. Administration/Leader ship
- 3. Active Learning
- 4. Classroom Decorum
- 5. Policy Enforcement
- 6. Technological Competence
- 7. Responsiveness

- 1. Active Learning
- 2. Administration/Leader ship
- 3. Responsiveness
- 4. Multimedia Technology
- 5. Classroom Decorum
- Technological Competence
- 7. Policy Enforcement

# The First Day

- How class works
- How class works
- How class works
- Expectations
- Organization
- Activities
- Assignments
- Assessments



# Course Biorhythms



- Crisis Points
  - Lost Louie
  - Forgetful Franny
  - Dominate Donny
  - Speedy Sandy
- Check Points
  - Built in evaluation
  - Benchmarks
- Modifications
  - Broadcast
  - Reinforce

# Example: Pepperdine MBA

#### What

- Open Learning Network (OLN)
- Personal Learning Networks (PLN)
- Social learning to promote access, flexibility, and satisfaction
- 2000 students

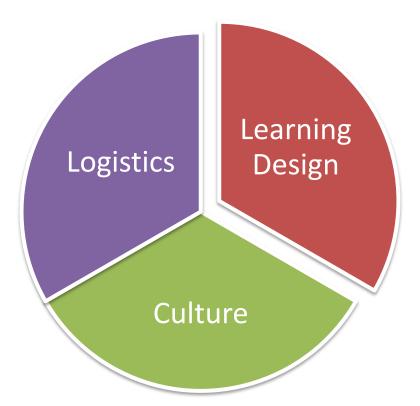
#### How

- Modalities
  - F2F
  - Asynchronous
  - Online Remote
  - Multi-campus
- PLN Tools
  - Yammer™
  - Google Docs™
  - Illuminate™
  - Voicethread™
  - Social Work™
  - Skype™
  - Poll Everywhere™

# Pepperdine's High Expectations

- ✓ Supporting a Challenge
- Motivation and Inspiration
- ✓ Real World Standards
- Providing Road Maps
- ✓ Marking Progress
- ✓ Enhancing Professionalism
- Defining Range of Acceptability
- ✓ Aspiring Toward Exemplar
- ✓ Substantiating Assessments

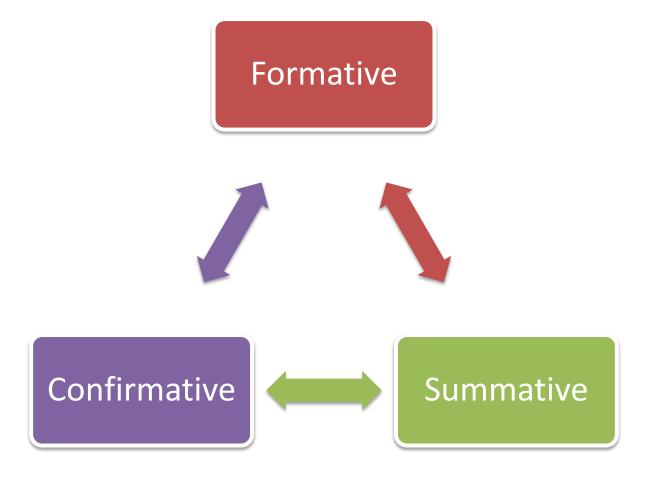
# Course Priorities: What are yours?



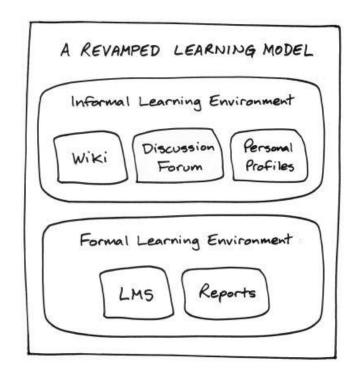
- Earth Science
- Review Syllabus
   Templates in wiki
- Using Course Priorities Checklist, and templates, design your first day overview



# **Evaluation**



# End of Day 1!



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## **BLENDED COURSE DESIGN: DAY 2**

# **Technology Tour**

- Construct Knowledge
  - Blogs (<u>Posterous</u>/Wordpress <u>ENG101</u>, <u>ENG102</u>, <u>ENH295</u>)
  - Shared Docs (TitanPad)
  - Discussion Boards (CreateDebate)
  - Wikis (PB Works)
- Support Interaction
  - Social Bookmarking (<u>Diigo</u>)
  - Chat (<u>TinyChat</u>, <u>Envolve</u>)
  - Social Media (Facebook/<u>Twitter</u>)
  - Online Collaboration (<u>Vyew</u>, <u>Mikogo</u>, <u>Stixy</u>)
- Feedback & Assessment
  - Online Collaboration (Skype, Adobe ConnectNow, Bb Groups)
  - Social Media (Facebook/<u>Twitter</u>)
  - Chat (<u>TinyChat</u>, <u>UStreamTV</u>)
  - Google Docs

- Present Material
  - Posterous/Wordpress ENG101, ENG102, ENH295
  - Mobile
  - Podcasts (Video & <u>Audio</u>)
  - Softchalk
  - Jing & Camtasia Studio
  - YouTube
- Practice
  - Cloud Storage (Dropbox/Google Docs)
  - Softchalk
  - Student Blogs/Presentations
  - Textbook Supplemental Site (ConnectComposition+)
- Assessment
  - Voicethread (<u>Geography</u>, <u>Graphic</u>
     <u>Design</u>)

Modified from Alisa Cooper

# Patricia McGee, PhD the University of Texas at San Antonio