



University of California
San Francisco

From Dinosaur to Digital: Adapting Traditional Curriculum to Blended E-Learning Formats

Presented by:
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Dr. Anda Kuo
APPD, April 2011



Outline of Today's Workshop

- **Introductions**
- Blended e-Learning Courses
- Demonstration of UCSF Course
- Breakout Groups
- Discussion

Objectives

- Become familiar with blended e-learning formats
- Create a plan for incorporating e-learning
- Network with colleagues about e-learning

**What this
workshop IS:**

An introduction to
blended e-learning

An example of one
blended course

Time to share ideas

Time to brainstorm how
to use e-learning best

**What this
workshop is NOT:**

An expert seminar

A how-to for creating an
entirely on-line course

Advertising for specific
products

Lots of technical detail or
time to play with e-toys

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What do we mean by blended e-learning?

- Blended
- Synchronous vs asynchronous
- Multimedia
- Computer based
- On-line

What is the evidence?

- Evaluation of Evidence-Based Practices in Online Learning
 - Purely online learning = face-to-face instruction
 - Blended curriculum versus traditional face-to-face curriculum: avg effect size 0.35*

* $p < 0.001$

US Department of Education, 9/2010

Advantages of Online Curriculum

- Flexibility
- Accessibility
- Efficiency
- Learner driven
- Collaboration

Sources: Kulik JA, Meta-analytic studies of findings on computer-based instruction. In: Baker EL and O'Neil JR HF (eds) Technology Assessment in Education and Training. Lawrence Erlbaum Associates, NJ.

Challenges

- Isolation of learner
- Accountability
- Time intensive to create
- Keeping material up-to-date
- Asynchronous learning and discussion sessions
- Copyrighted material

A few practical tips...

- Don't blow your budget
- Prepare your speakers
- Consider pre-made modules
- Get help!

Who can help build your blended e-learning course?

- Residents and medical students
- Technology specialists and librarians
- Local classes
- Interns from an education degree program
- Lynda.com
- Regional collaborations
- Google your question!

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UCSF Physicians in Community

RRC: Community and Child Advocacy Experiences

- Underserved populations
- Culturally-effective health care
- Child abuse
- Homelessness
- Environmental toxins
- Bioterrorism & Disaster Preparedness
- School health
- Advocacy/Legislative Process
- Quality improvement

ACGME Competencies

- Systems Based Practice
- Practice Based Learning and Improvement
- Professionalism
- Interpersonal and Communication Skills

UCSF Physicians in Community Course

Face-To-Face	Blended E-Learning
Month long continuous course	20 half-days during outpatient blocks in PGY-1 and PGY-2 year
Small groups: 3-7 residents	Individual learning plus discussion groups of 2-4 residents
Advocacy project over 4 weeks	Advocacy project over a 6 week period on PGY-2 year

Sample Week from "Dinosaur" PIC Curriculum

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
30 8am Conference 10-1pm Bayview Children's Health Center with Nadine Burke, MD Loc: 1335 Evans Avenue, SF On Call: AM, EP Post Call: PM Clinic: BB, EG PM Project Time: EH, AK, AM, JN, EP	December 1, 2009 8am Grand Rounds 9-12 noon Walking Tour with Kara Wright, MD (wear comfortable walking shoes) Loc: Meet at Mt. Zion, 2330 Post Street, 3 rd Floor Clinics 1pm Log Cabin Ranch: Becca Burton 1pm Homeless Experience: EH, JN, EG 4pm Visit to Hamilton Emergency Shelter with Debbie Wilbur, 260 Golden Gate Avenue On Call: Post Call: AM, EP PM Clinic: AK	2 8am Conference 9:00 am SF Bayview Hunter's Point Van Tour with Karen Pierce, JD Loc: Meet Karen at the 48 MUNI Bus Stop on 23 rd and Utah (back entrance of SFGH Parking Garage) BB Kaiser Talk 12:30-1:30 On Call: BB Post Call: PM Clinic: JN PM Project Time: BB, EH, AK, AM, EP, EG	3 8am Conference 9am San Francisco Health Plan with Allison Lum Loc: 201 Third Street, 7 th Floor JN Out Today On Call: Post Call: BB PM Clinic: EP PM Project Time: EH, EG, AK, AM	4 8am Conference 9-12 noon Meet with Anda Loc: 521 Parnassus Avenue, Clinical Sciences Bldg, Room C-517 11:30-5pm AK TBA Duty On Call: AM , EP Post Call: AM Clinic: JN PM Clinic: EH, AM PM Project Time: BB, AK, JN, EP, EG,

Sample Schedule from "Digital" Curriculum

Block 9: RM			
2/2/2011	8 am - 12 pm	Module 3: So You Need Health Insurance	Use your own computer or those at the library.
2/15/2011	8 am - 12 pm	Module 1: The Power of Numbers	Use your own computer or those at the library.
2/22/2011	8 am - 12 pm	Module 5: At Risk Youth	Use your own computer or those at the library.
2/9/2011	11:30 am - 12:30 pm	Reflection Session with faculty and residents on your PIC block	Meet at the lobby of the UCSF Library on Parnassus. Be prepared to discuss your modules.

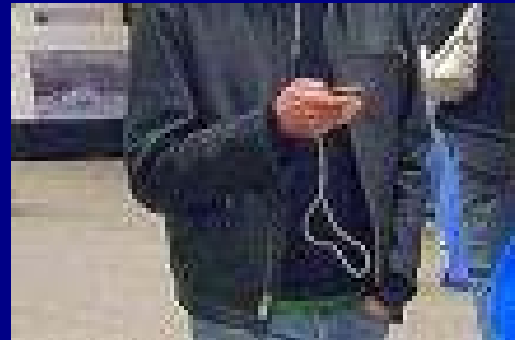
Child Abuse and Foster Care Module

"Dinosaur" Version	"Digital" Version
Group tour of child abuse prevention community center	Virtual tour of community center
Foster care lecture	Articulate presentation by expert in field
Film "Aging Out"	Individual viewing of film
Discussion time after elements	Discussion session with 2-5 residents
(No equivalent)	<ul style="list-style-type: none">■ Video interview with foster parent■ News clip of interview of pediatricians discussing child abuse■ Blog reflection assignment

DEMONSTRATION

Community Walking Tour Module

"Dinosaur" Version	"Digital" Version
2 hour walking tour with Dr. Kara Wright	Self-guided podcast tour in groups of 2 residents
Group of 4-6 residents	
Repeated 4-5 times per year	



Documenting ACGME Competencies

Modules in PGY-1 Year	Practice Based Learning and Improvement	Systems Based Practice
Module 1: The Power of Numbers	X	
Module 2: Community Mapping	X	
Module 3: Public Health Insurance		X
Module 4: Homelessness	X	
Module 5: Child Abuse & Foster Care	X	X
Module 6: Juvenile Justice	X	X
Module 7: Walking Tour	X	
Module 8: Environmental Health	X	X
Module 9: School Health	X	x

Capturing ACGME competencies through online assignments

- Did they remember the material?
- Did they understand the material?
- Do they apply the material?
- Do they analyze the material?

The Power of Numbers by Esther Lee

The Power of Numbers

File(s) to Download

[The Power...bers.ppt](#)5.7MB | Tuesday, 17 August 2010 | [Details](#)

Feedback

Esther - this was fascinating and something I did not know! I was aware of the 2 sides of the Potrero community but did not know the demographics that go along with the north and south sides. Thank you. I hope you will share with others! Perhaps we should also share with the SFGH clinic providers? Let me know if I have your permission. Thanks Anda

[Anda Kuo](#) | 28 August 2010, 8:29 PM

1 comment

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Capturing ACGME competencies via blog posts: Practice Based Learning and Improvement & Systems Based Practice

- "I've been regularly mentioning the TALK Line to new parents as it's on their checklist, but I thought it was only for medical questions. I'll now encourage families to call them with concerns about ANYTHING or if they're just stressed out."
- "I [now] gather vital information about the patient's ability to adhere to a given plan or their goals for treatment by asking about housing, how they obtain their food, violence/safety where they live."

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Acknowledgements

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