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Critical Issues for Success in Open, Smart, and Social Learning Environments





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The Power of MOOCs : Platform to Learning Design

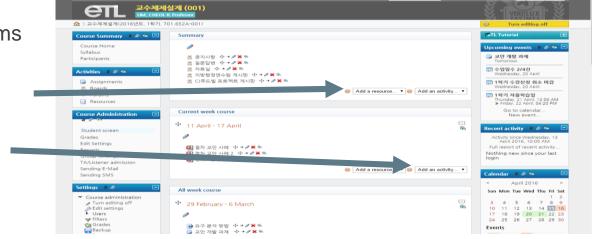
- The Power of MOOCs: From contents to designing activities
 - ✓ Platform for Diverse and Effective Design for Learning activities

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Section / Subsection						
Add New Component						
	Discussion		(?) Problem	Video		

Smart Learning for HRD: Learning Design Systems

- From e-learning to Smart Learning by instructional designer or curator
 - ✓ Supporting Just-in-time needs of training and education
 - ✓ Learning Design Systems
 - Content Selection System

- Activity Design System



Impact of open education [Oritical Issues for Success in Open, Smart, and Social Learning Environments #2 improve student outcomes around campus community

Using MOOCs on Campus

Introduction of MOOC as "digital textbooks"

- Flipped classroom or blended learning
- Improvement of retention rate: from 50% to 90%
- SPOC (Small Private Online Courses): Use MOOC privately inside campus

Online graduate school using MOOC

Georgia Tech Univ.

Master of computer science

Collaborate with MOOC provider (Udacity)

• \$7000 for master degree

Hokkaido University Center for Open Education





University-wide organization		Supporting teaching and learning using OER		Use OER as MOOC - Open MOOC with translation	
Introduce flipped cla	assroom with	ACE ZOUTHEOUT	via edX.org	ログイン	
distance learning					
(videoconferencing)			Academic Commons for Education 近内国立大学による教養教育のためのオープン教材		
- Develop OER and platform		ACE 道内I			
(Open edX based)		* 23.0.1. Sumar	ERIELT JANDERAT		
- Apply CC-BY-NC		ACEHU001 応用倫理学入門 倫理と社会のつながりを理解す はる倫理的諸問題を紹介する。 2014年4月14日 AceHokau	rるために応用倫理学諸領域について模텐し、各領域にお talX	2 (A) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C	

OE Strategy at Hokkaido University (1)

- Background in Japan Lack of non-English OER moderate textbook prices
- Background in Hokkaido Second largest island Least developed
- 7 public universities Hokkaido University and Specialized Colleges
- Potential to leverage online learning



OE Strategy at Hokkaido University (2)

- Step 1: Develop OER for our university With open license (CC-BY-NC) Reuse existing OER (translation from English)
- Step 2: Use OER and improve On campus by supplemental learning On university consortium with distance learning
- Step 3: Reuse for Open MOOC OECx course through edX.org Improve OER by learning data

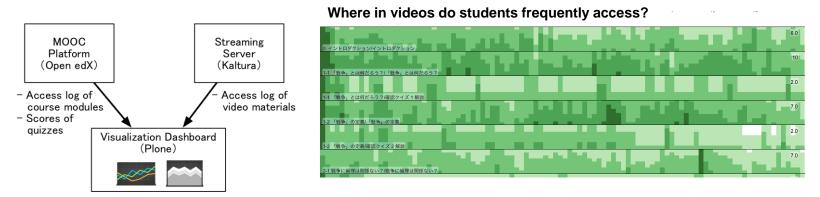


Examples of OER



MOOC-type materials Committed to instructional design Open license (CC-BY-NC)

Development of Learning Analytics Tool



- Grasping how students study at home
 Overall trend and individual trend
 Show the frequency of access by shade of color
- Positive feedback from faculty Add supplemental lecture on flipped classroom

Learner's Self-Determination and Engagement From the Self--Determination Theory Perspective

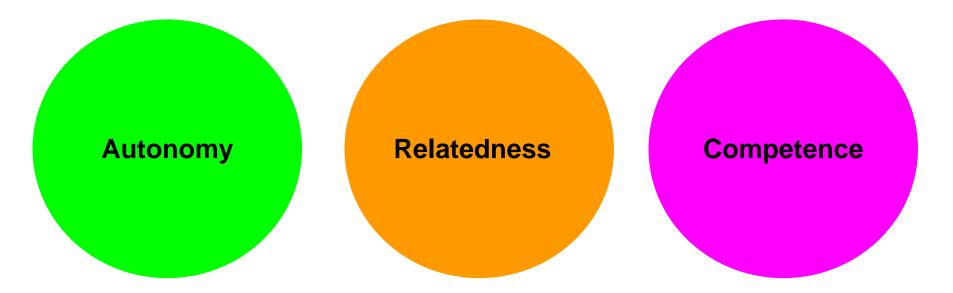
Learner's Motivation entering the course

(Harnett, St. George, & Drone, 2011; Ryan & Deci, 2000)



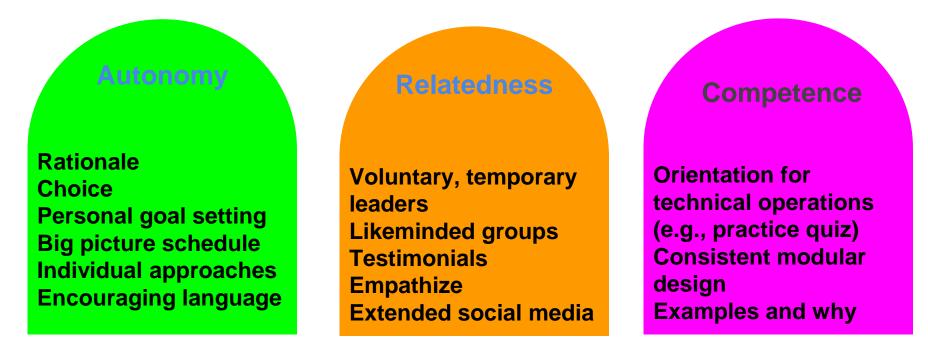
Learner's Self-Determination and Engagement From the Self--Determination Theory Perspective

Learners' psychological interaction with learning environments (content, instructor, peer) Deci & Ryan, 2000



Design Implications for Learning Environments From the Self--Determination Theory Perspective

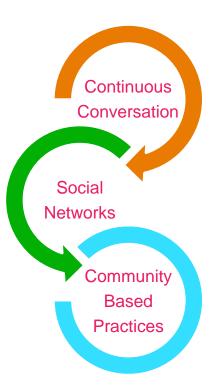
Akcaoglu & Lee, 2016; Jang, Reeve, & Deci, 2010; Lee, Patel, & Cozart, 2015; Sierens et al., 2009; Van Loon et al., 2012



The Importance of Community

Learning as a Social Endeavor:

- Typically turn to conversations and social networks for information and help (Calhoun & Green, 2015)
- Prefer to exchange information with most accessible over most qualified (Cadima, Ojeda, & Monguet, 2012)
- Trust building most distinct difference between social learning online and faceto-face



Communication & Trust Online

Learner Interaction	Must be encouragedMust be high quality	Strong & Successful
Group Identity	Learn about each otherShare individual identities	Social Community
Trust	Key enabler of communicationAbsent of typical cues	Online

(Fang & Chiu, 2010; Postmes, Spears, Lee, & Novak, 2005)

Maintaining the Communication "Garden"



(Beach, 2012, p. 259)

Maintaining the Communication "Garden"



- Seeds discussion
- Scaffolds structured conversations
- Moves beyond surface
- Does not contribute original ideas
- Models leadership
- Pushes all learners to contribute

FACILITATOR

- Affirms and encourages
- Highlights value in learner contributions
- Inspires and guides learners
 to engage in dialogue
- Connect content and topic to member backgrounds
- Models critical online listening



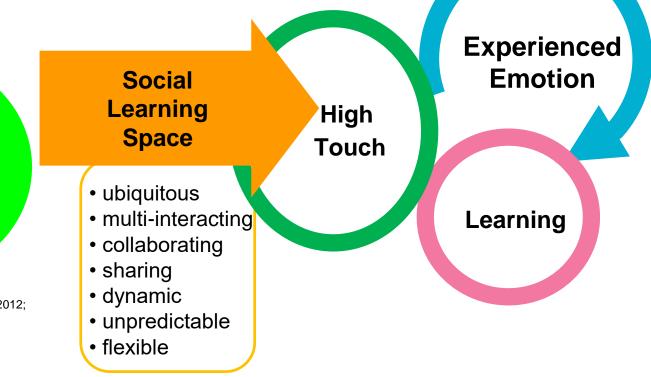
- Helps members maintain appropriate and trustworthy online behavior
- Explains rules of online discourse
- Posts/ enforces netiquette
 policy
- Guides development of policy by members

(Booth, 2012; Bunt-Kokhuis & Sultan, 2012)

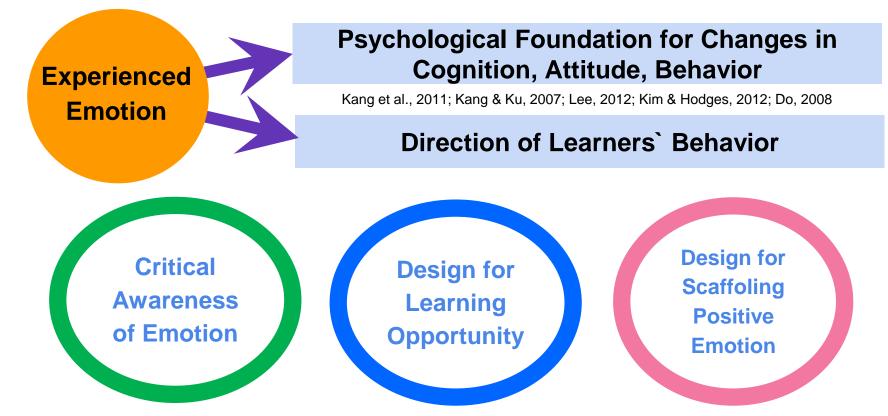
Design Implications for Social Learning Emotional Factors

Disconnection in E-Learning

Hawkins, Barbour, & Graham, 2012; Song et al ., 2004



Design Implications for Social Learning : Emotional Factors



Critical Awareness of Emotion

Emotion

- Individual Experience
- Social & Cultural Experience
- Critical Role in Meaning Making
 & Knowledge Construction
- Facilitating Knowledge Sharing

(Delfino & Manca, 2007; Nummenmaa & Nummenmaa, 2008; Zembylas, 2008 (Dirkx, 2001; Shuck et al., 2007) (Lee, 2014)

Learning & Meaning Making

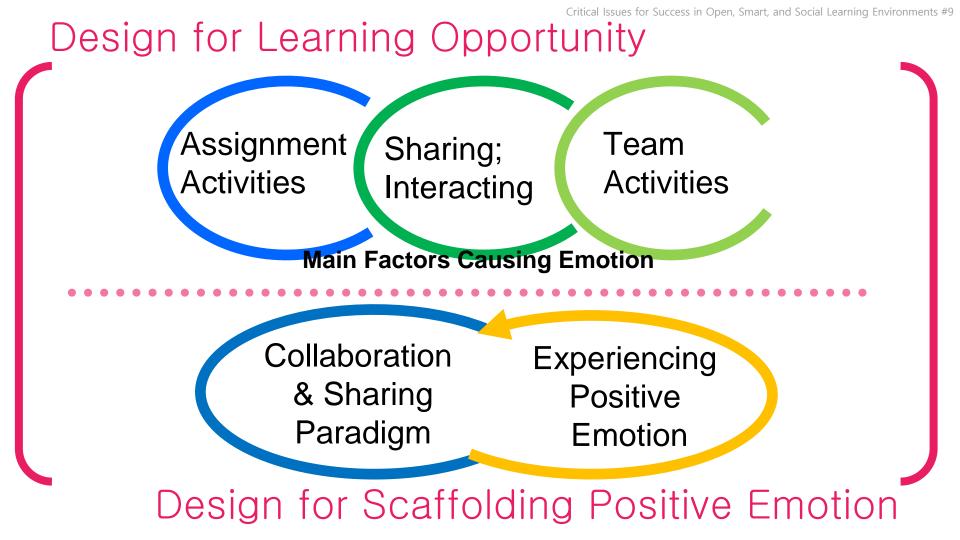
Social & Cultural practice
 (Kress, 2011)

Social Networking Space

Vital role in Socializing & Sharing Knowledge (Tissingtone & Senior, 2011)

Active Knowledge sharing

Experienced positive emotion in SNS



Q & A





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