

INF5790 - Spring 2013

# Systemic vs. Dialogical Approach

Notes from Arnseth & Ludvigsen

Marisa Ponti





# Lecture Outline

- What is the difference between the two approaches? (25 min.).
- Think-Pair-Share exercise (15 m.)
- Conclusions (5 m.)



- Bringing CSCL tools in the ordinary classroom setting can be challenging.

The sage on the stage passing knowledge onto students





# Challenge

- Bringing CSCL tools in the ordinary classroom setting does not automatically come with innovative educational practices

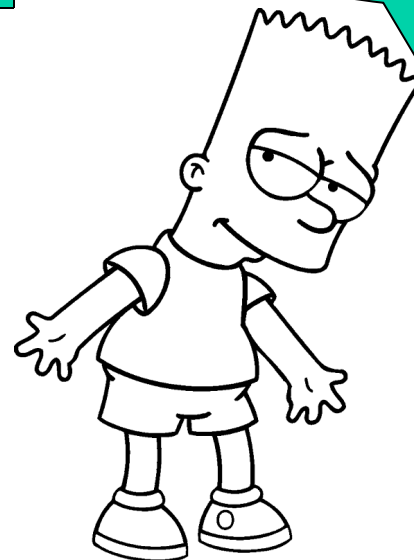
# Different Approaches

Systemic approach



2013-03-20

Dialogic approach



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# Two Different Analytical Angles: Systemic Approach

## **Focus on the institutional setting:**

Relation between collaborative activities, expected learning outcomes, and specific forms of institutional support

## **Example:**

Examine the relation between creation of a knowledge building community, thinking skills development, and help to teachers to develop educational strategies

# Two Different Analytical Angles: Dialogic Approach

## **Focus on dialogue**

Social interaction  
with/through artifacts  
in an organized  
setting

## **Example:**

Examine exploratory  
talk with/through  
artifacts in a  
classroom





# Conclusions

To benefit from CACL tools:

- students need to engage in forms of dialogue beneficial to learning
- institutional practices should support educational practices conducive to such forms of dialogue



# Think-pair-share

1) How do you define an **ordinary** classroom?

2) Which teaching practices are more likely to hinder forms of dialogue beneficial to learning with CSCLE tools?



# Conclusions

To benefit from CACL tools:

- students need to engage in forms of dialogue beneficial to learning
- institutional practices should support educational practices conducive to such forms of dialogue

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# Interrelationships between Formal and Informal Learning

Notes from Malcolm, Hodgkinson, & Colley

Marisa Ponti





# Lecture outline

- What is the difference between formal, non-formal and informal learning, and how do they relate to each other? (25 min.).
- Think-Pair-Share exercise (15 m.)
- Conclusions (5 m.)

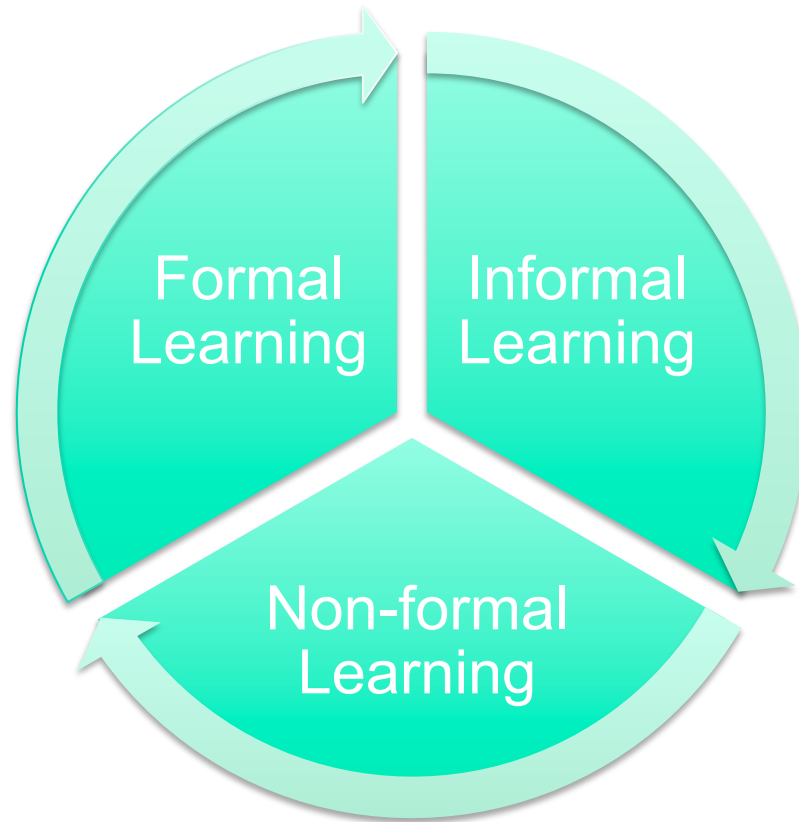


# The crucial importance of lifelong learning

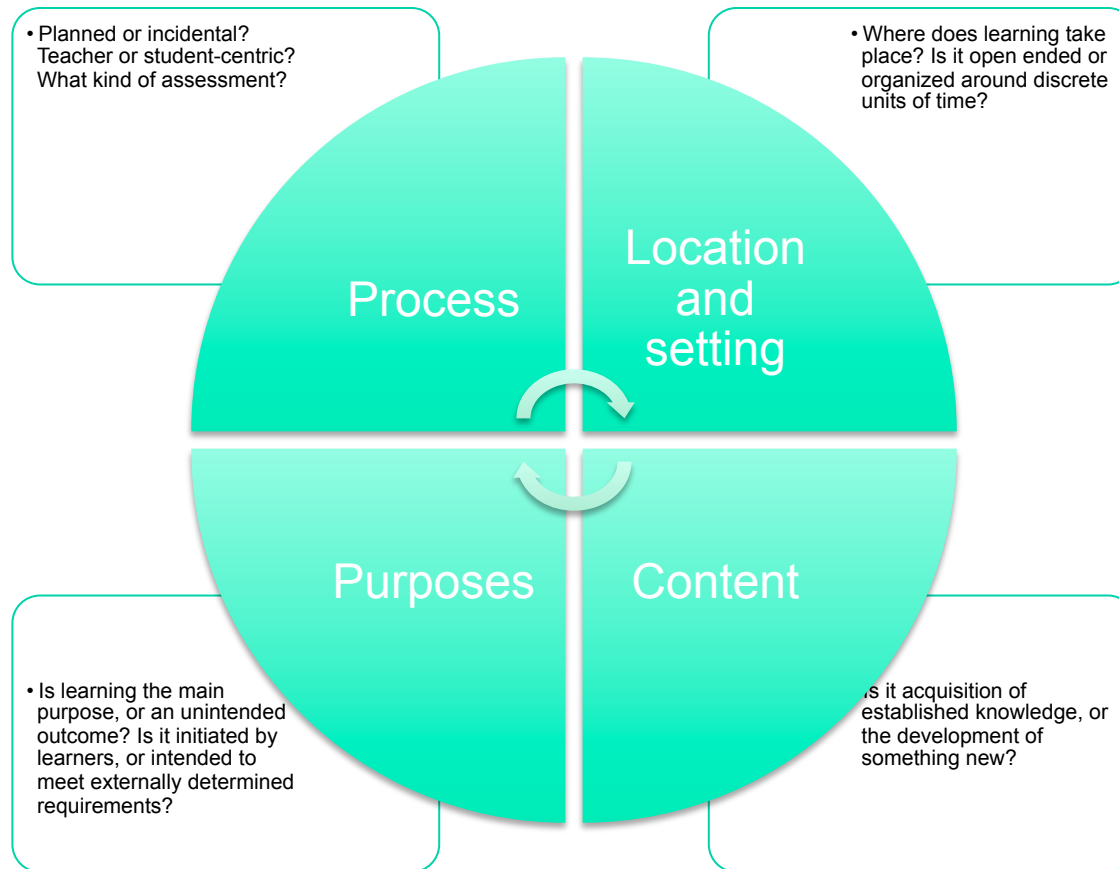
- ◆ *“Lifelong learning is no longer just one aspect of education and training; it must become the guiding principle for provision and participation across the full continuum of learning contexts.”*

(Commission of the European Union, 2000)

# Two opposite views

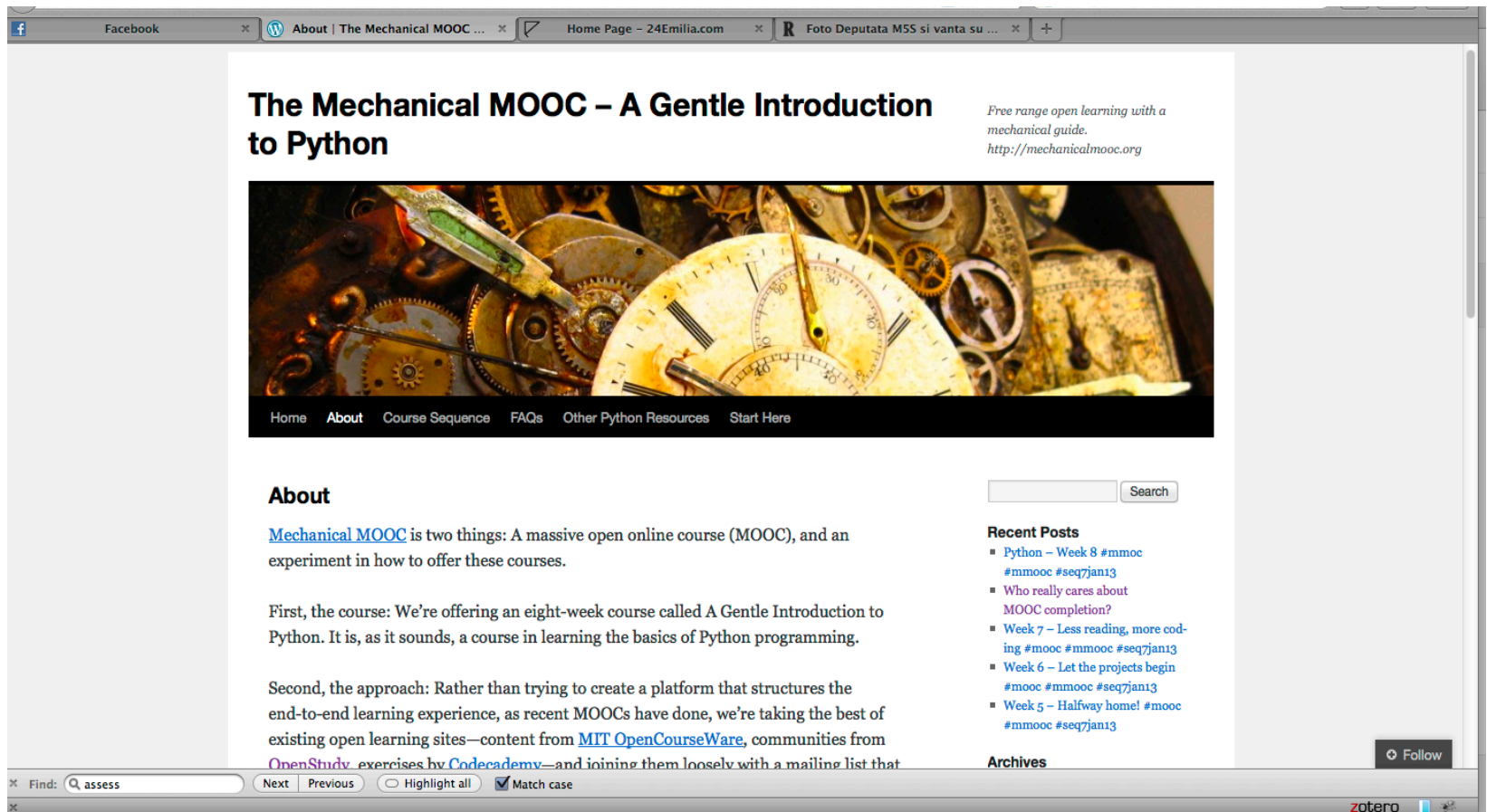


# Identify formality/informality






# An Example: The Mechanical MOOC



The screenshot shows a web browser window displaying the Mechanical MOOC website. The browser's address bar shows the URL <http://mechanicalmoooc.org>. The page title is "The Mechanical MOOC – A Gentle Introduction to Python". Below the title is a navigation menu with links for Home, About, Course Sequence, FAQs, Other Python Resources, and Start Here. The main content area features an "About" section with the following text: "Mechanical MOOC is two things: A massive open online course (MOOC), and an experiment in how to offer these courses. First, the course: We're offering an eight-week course called A Gentle Introduction to Python. It is, as it sounds, a course in learning the basics of Python programming. Second, the approach: Rather than trying to create a platform that structures the end-to-end learning experience, as recent MOOCs have done, we're taking the best of existing open learning sites—content from MIT OpenCourseWare, communities from OpenStudy, exercises by Codecademy—and joining them loosely with a mailing list that". To the right of the main content is a search bar and a "Recent Posts" section with a list of links: "Python – Week 8 #mmoooc #seq7jan13", "Who really cares about MOOC completion?", "Week 7 – Less reading, more coding #moooc #mmoooc #seq7jan13", "Week 6 – Let the projects begin #moooc #mmoooc #seq7jan13", and "Week 5 – Halfway home! #moooc #mmoooc #seq7jan13". At the bottom right of the page is a "Follow" button. The browser's status bar at the bottom shows the search term "assess" and navigation buttons for Next, Previous, Highlight all, and Match case.

**The Mechanical MOOC – A Gentle Introduction to Python**

*Free range open learning with a mechanical guide.  
<http://mechanicalmoooc.org>*



Home About Course Sequence FAQs Other Python Resources Start Here

**About**

[Mechanical MOOC](#) is two things: A massive open online course (MOOC), and an experiment in how to offer these courses.

First, the course: We're offering an eight-week course called A Gentle Introduction to Python. It is, as it sounds, a course in learning the basics of Python programming.

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Search

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- Who really cares about MOOC completion?
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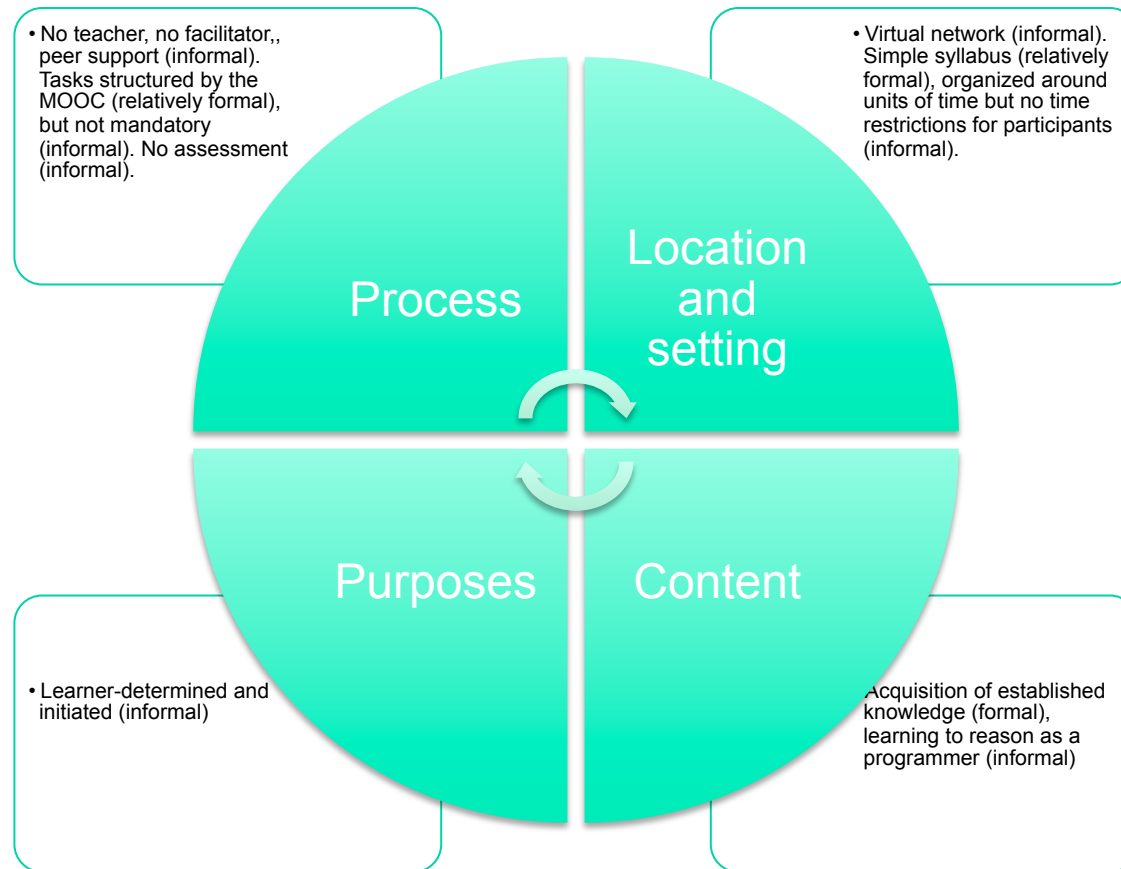
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zotero

# Identify formality/informality





# Think-pair-share

1) Think about one/two main informal learning activities/media that were used in schools. Please describe them and tell us what they were used for.



# Conclusions

Formal/informal/non-formal learning can be difficult to separate:

- almost all learning situations contain features of both formality/informality
- the balance between formality and informality varies in different learning situations.