# How to flip your class online, when the world is flipping out







information sense-making transfer

#### campus

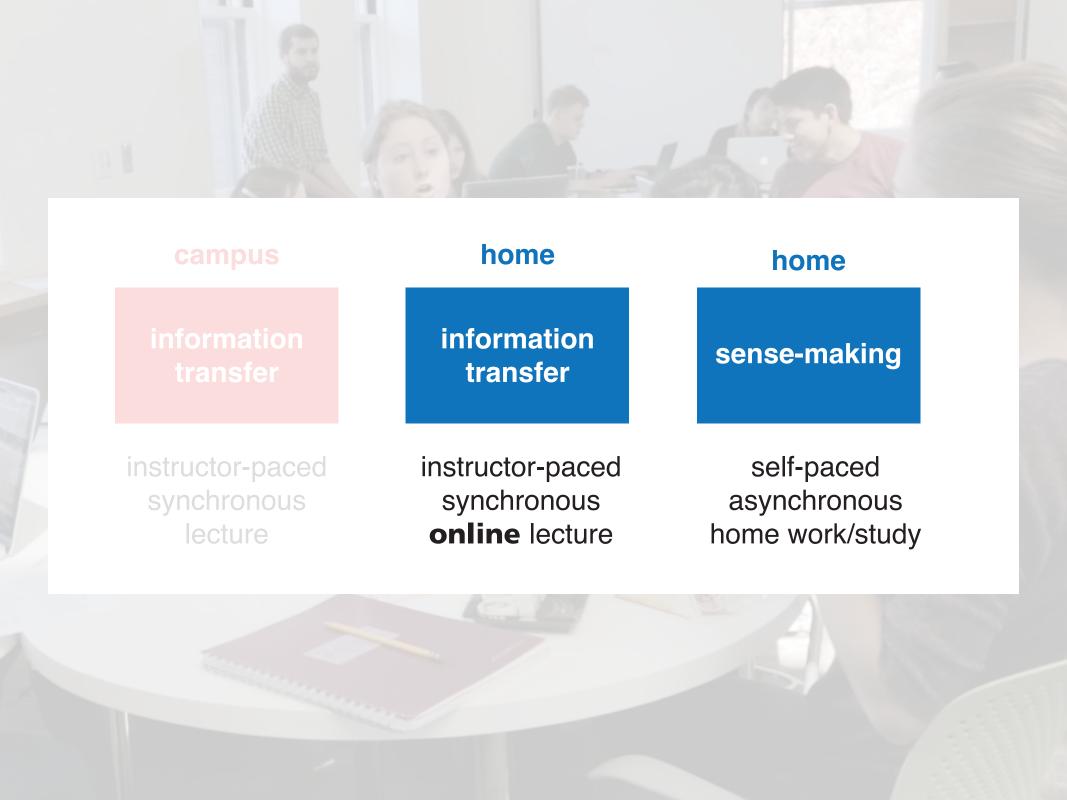
information transfer

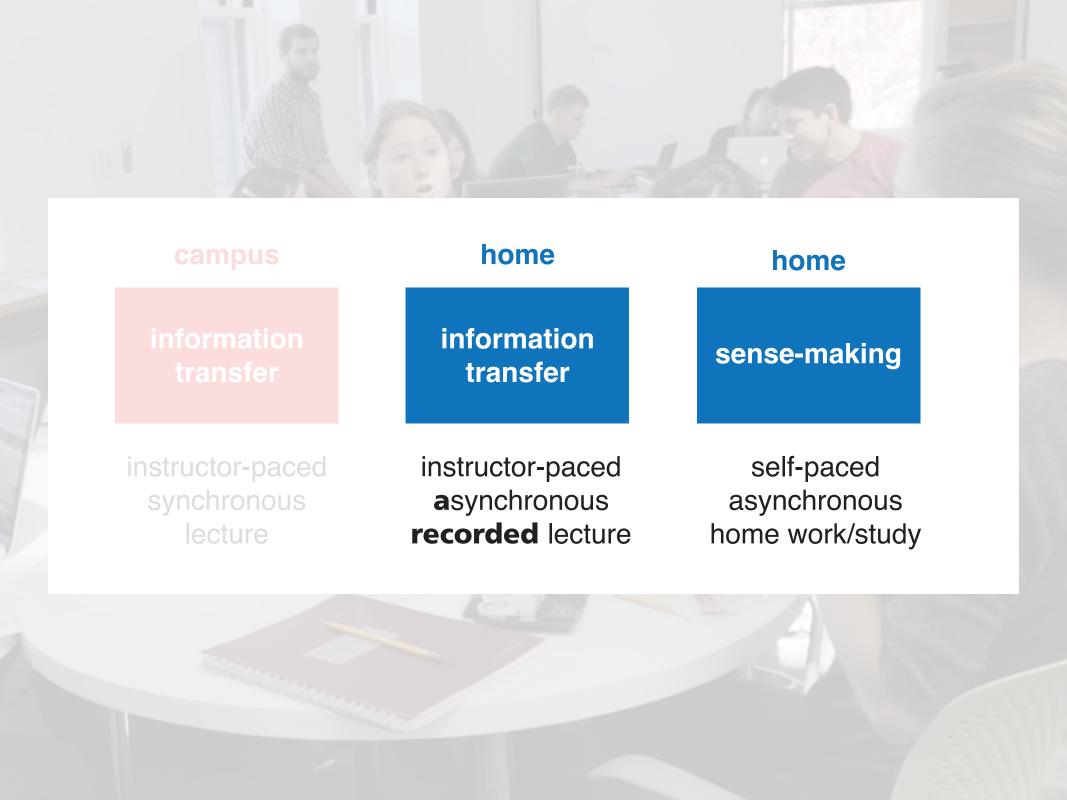
instructor-paced synchronous lecture

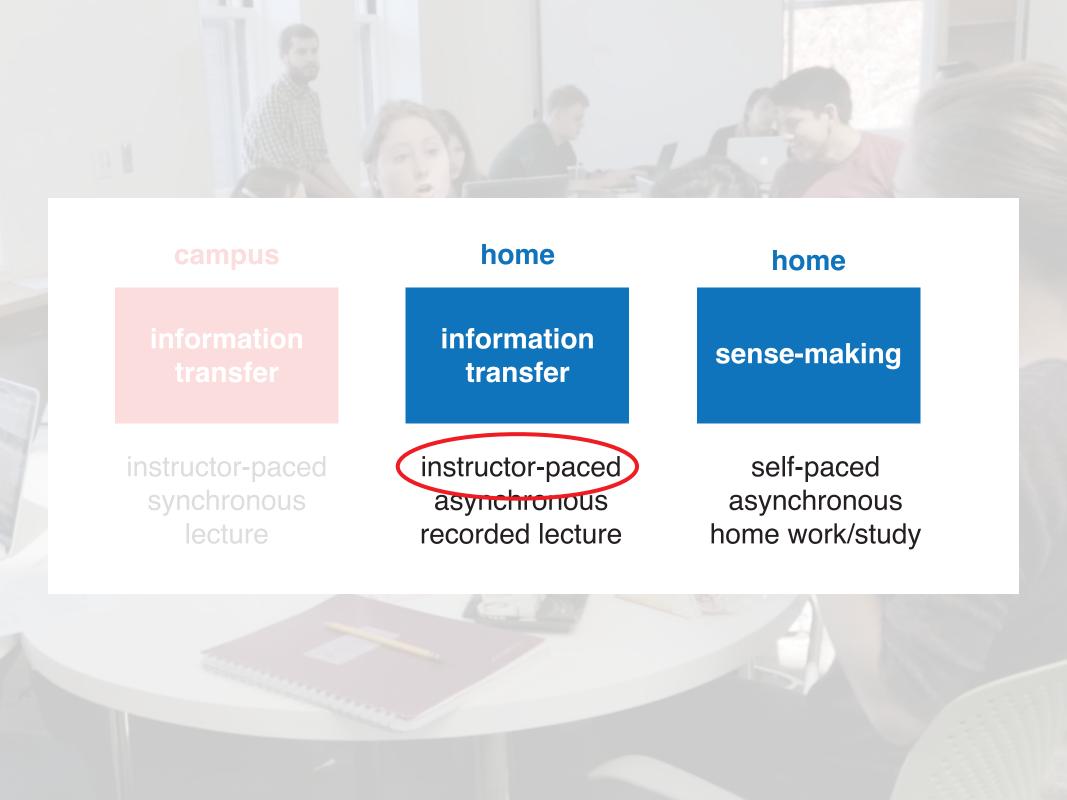
#### home

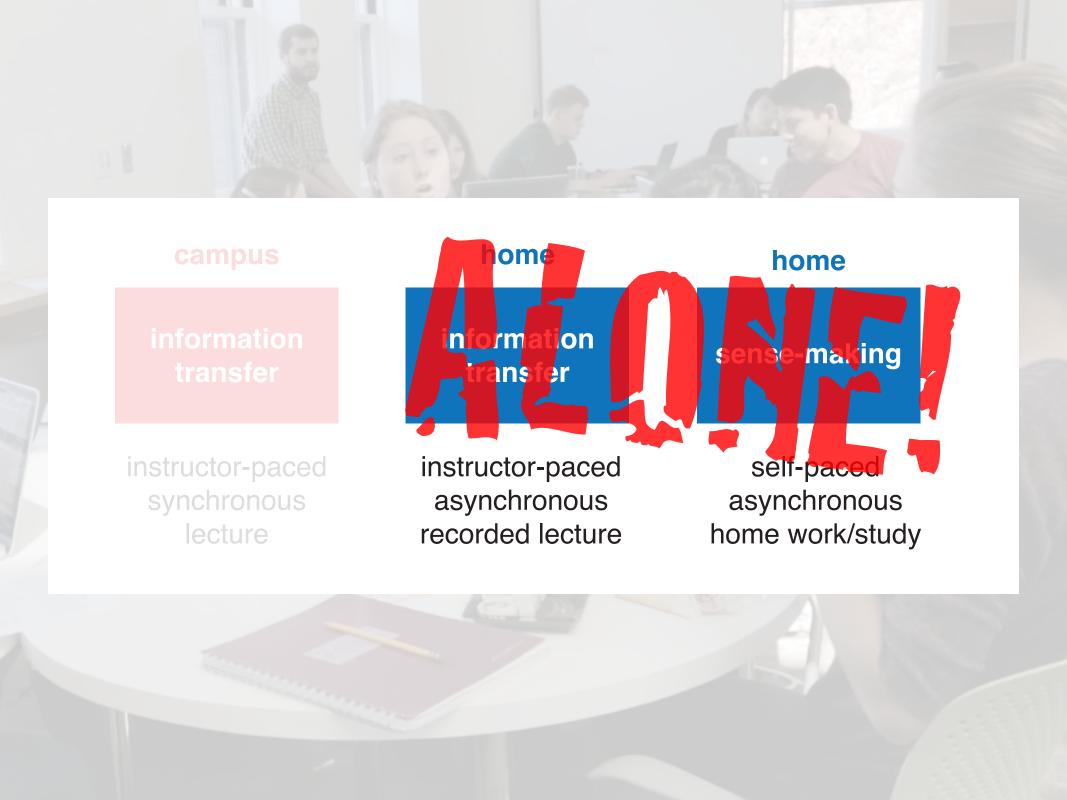
sense-making

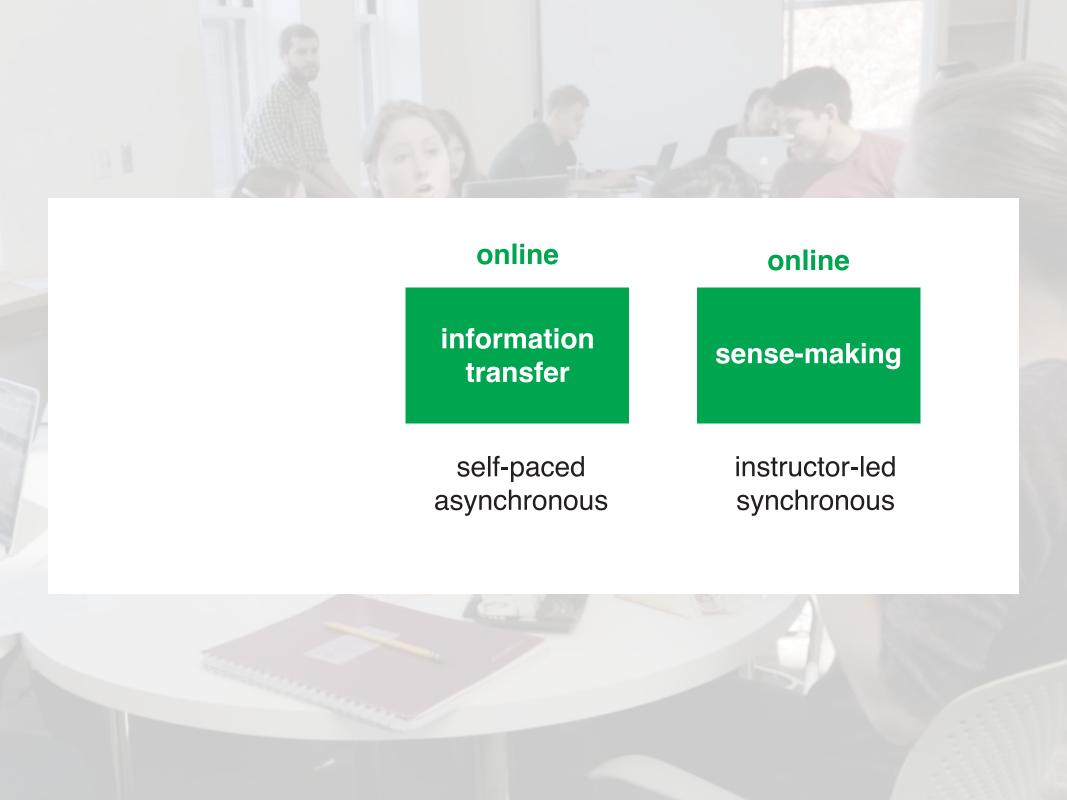
self-paced asynchronous home work/study















two evidence-based approaches

### let's explore these two steps

online

information transfer

self-paced asynchronous

online

sense-making

instructor-led synchronous

#### let's explore these two steps

online

information transfer

self-paced asynchronous

online

sense-making

instructor-led synchronous

(using two free tools)



online

online

Perusall...

information transfer

sense-making

- is a text-based social learning platform
- takes information transfer out of classroom

online

online

You will...

information transfer

sense-making

- 1. create a (dummy) course (while I create mine)
- 2. join my course to get the student experience

online

online

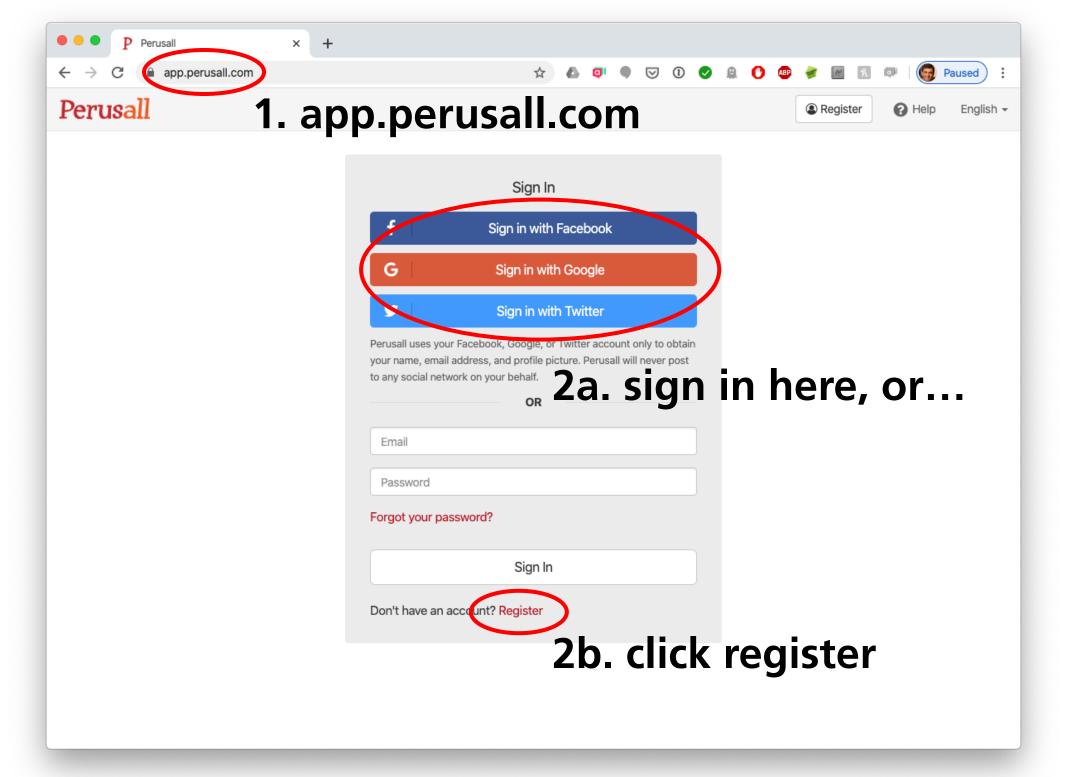
- 1. in your browser go to: app.perusall.com
  - sense-making
- 2. if you have an account, log in, then wait

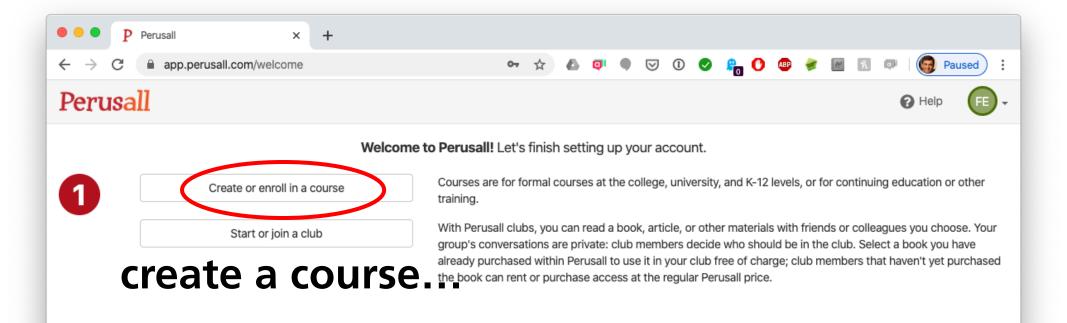
self-paced asynchronous

instructor-led synchronous

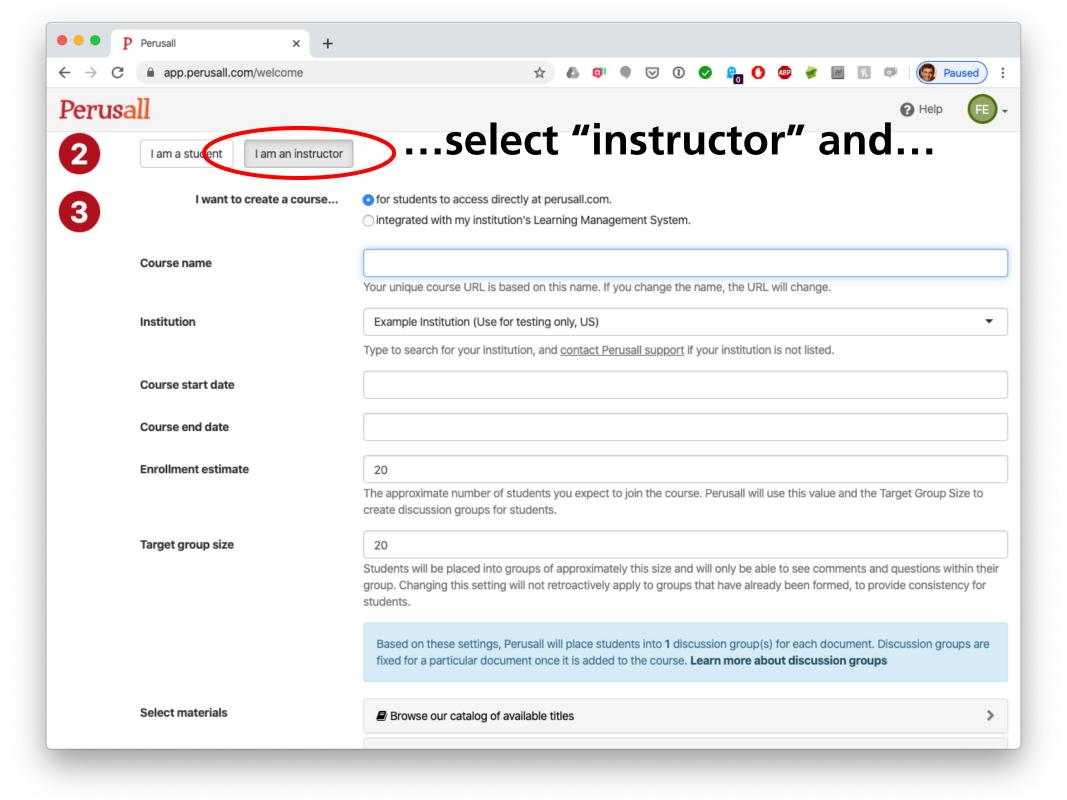
online

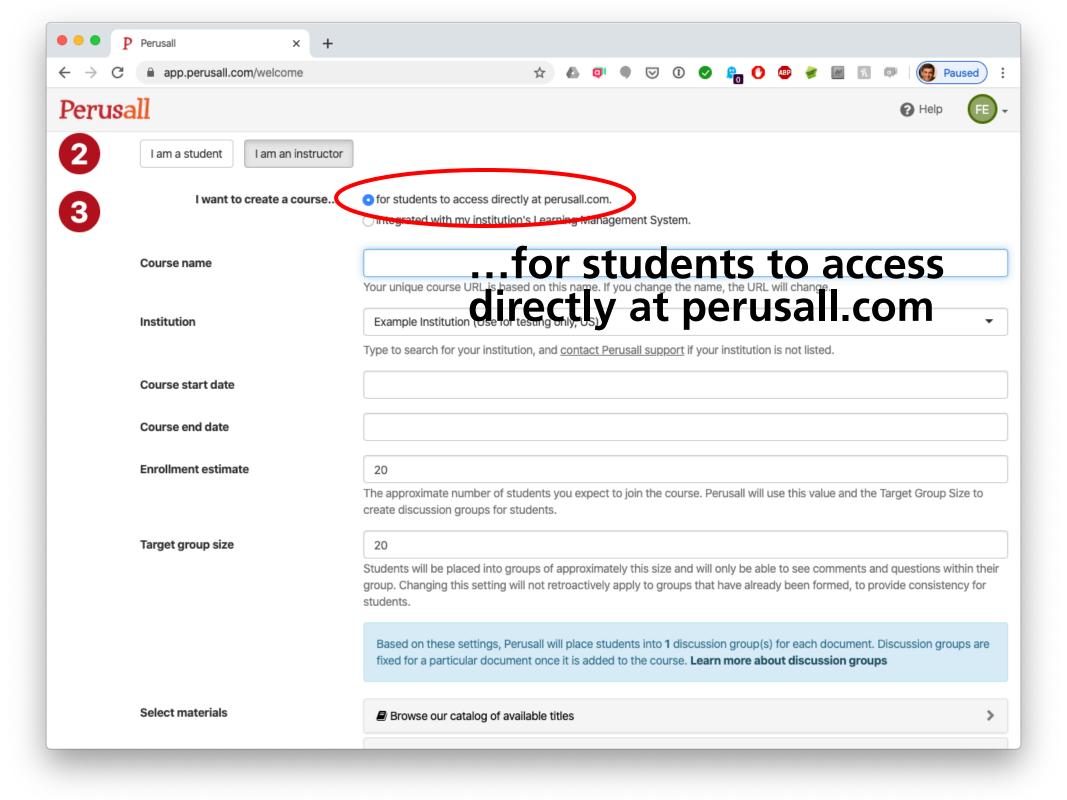
- 1. in your browser go to: app.perusall.com
- 2. if you have an account, log in, then wait
- 3. if you don't have an account, follow along

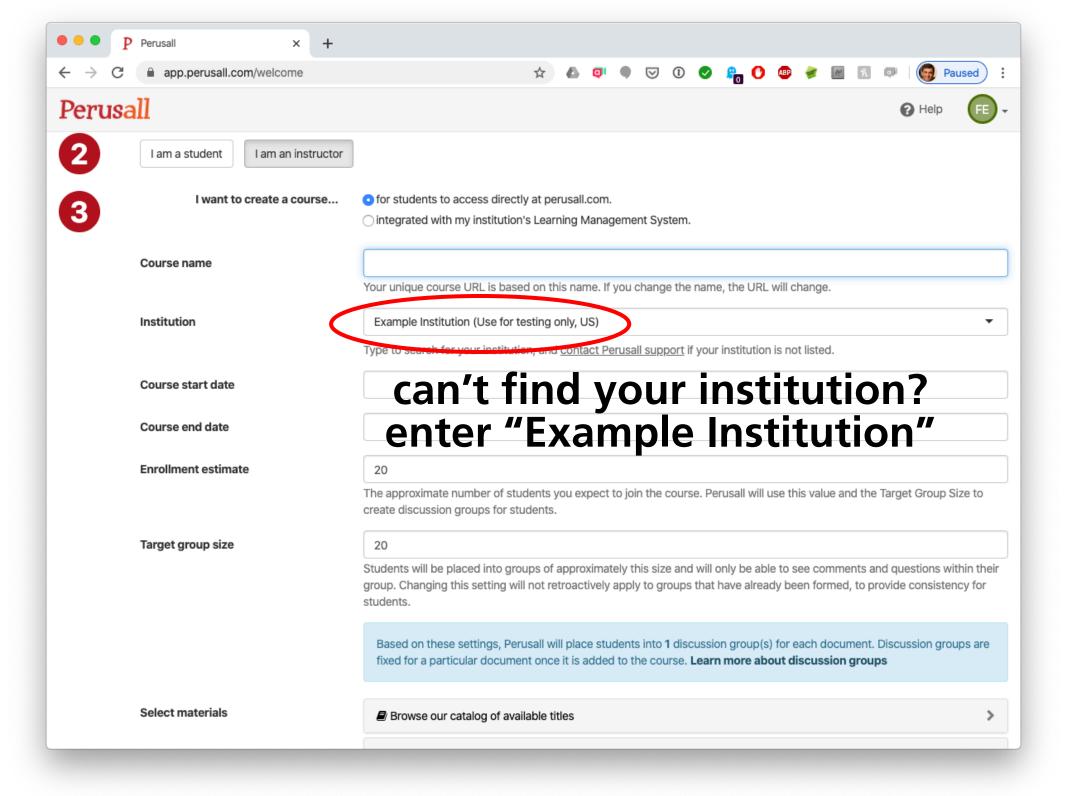




(if you logged in with existing account, click "Create course" at top left of page)







### Why Perusall works

- social connection/interaction in context
- incentivizes/motivates participation
- machine learning analysis of engagement self-paced instructor-led
- provides "Confusion Report" to instructor



- Perusall is free online
- Many textbooks free until summer
- Nearly 100% reading-assignment completion self-paced instructor-led
- Students using Perusall perform better

online

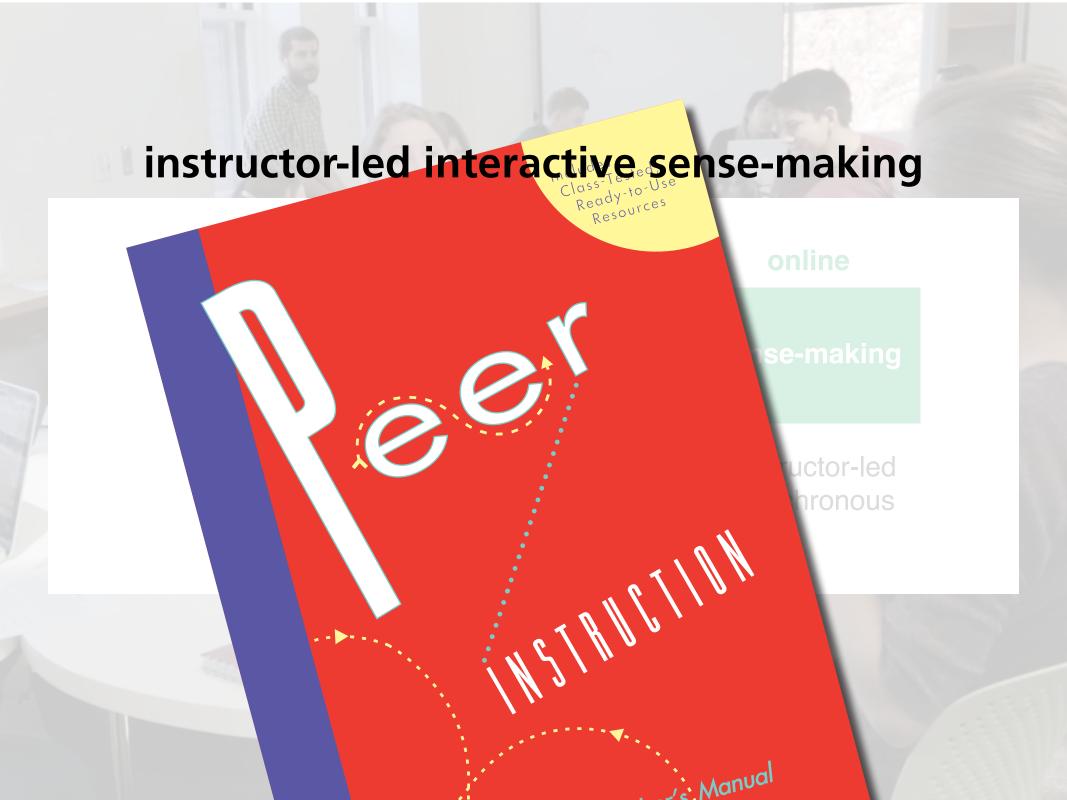
information transfer

self-paced asynchronous

online

sense-making

instructor-led synchronous



online

online

Peer Instruction...

information transfer

sense-making

interactive teaching method

• promotes meaningful thinking instructor-led synchronous

You will experience Peer Instruction by...

- 1. answering question individually making
- 2. discussing question in breakout rooms

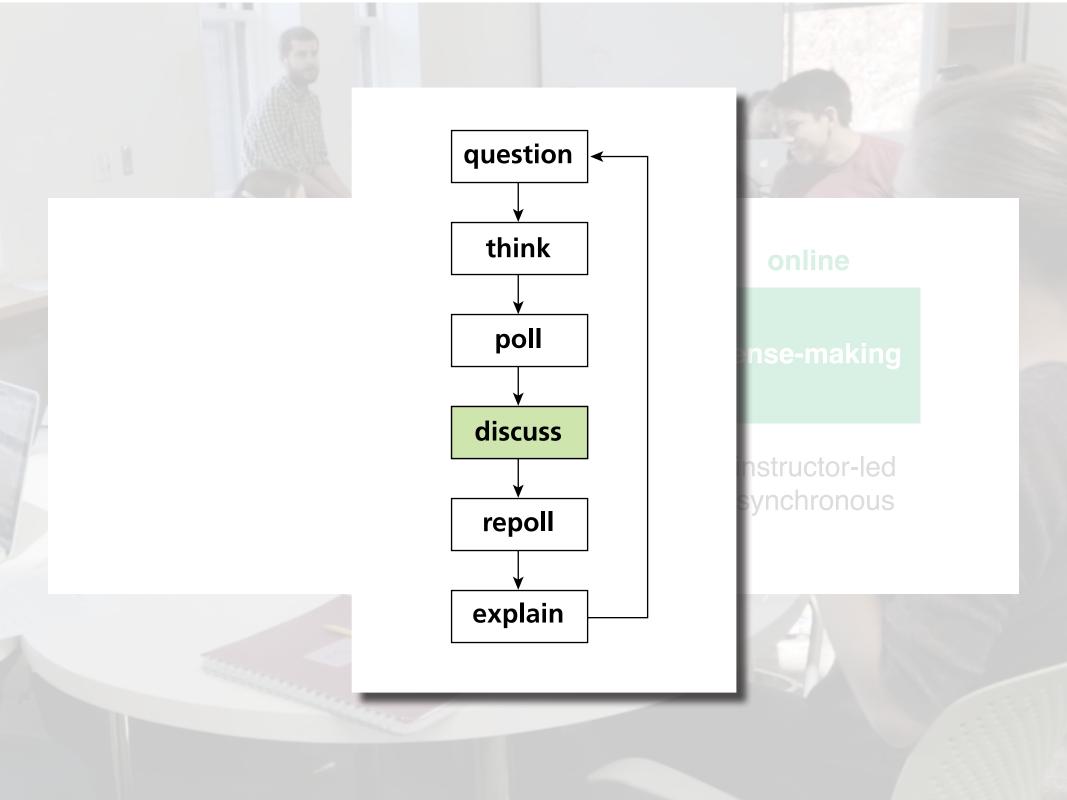
instructor-led

synchronous

3. reanswering question

PollEv.com/ericmazur615 Go to:

instructor-led synchronous



### Why Peer Instruction works

engages students to think

online

individualizes learning

sense-making

students use similar discourse

instructor-led

helps avoid the "expert blind spot"

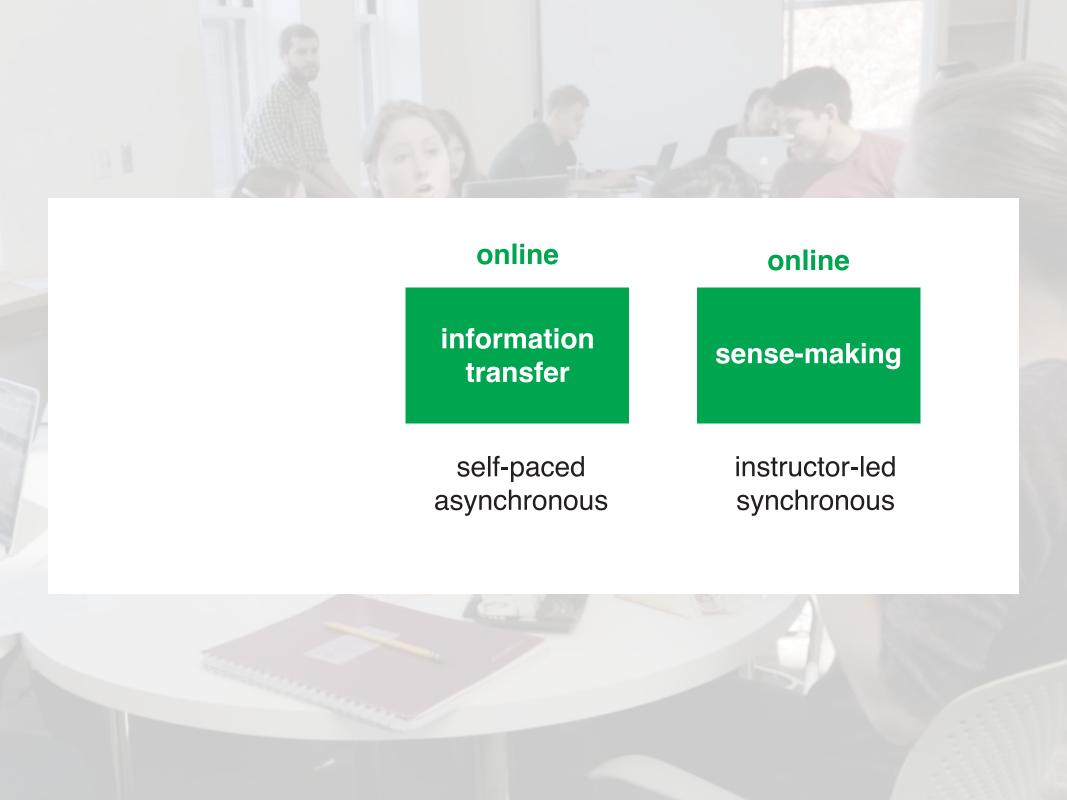


Peer Instruction... online

online

- greatly improves learning outcomes
- actively engages students online
- integrates with Perusall

instructor-led synchronous



#### home

information transfer

self-paced asynchronous pre-class reading

#### campus

sense-making

instructor-led synchronous peer instruction



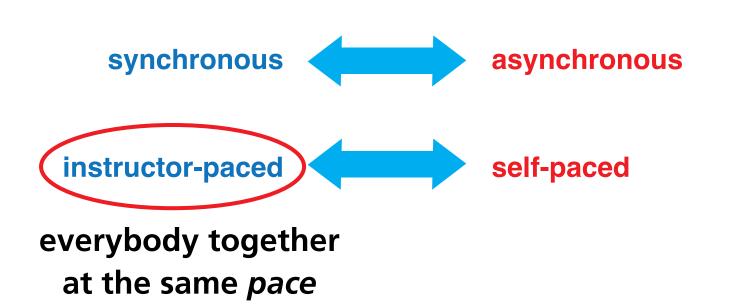




everybody together at the same *time* 



instructor-paced self-paced





instructor-paced self-paced

synchronous

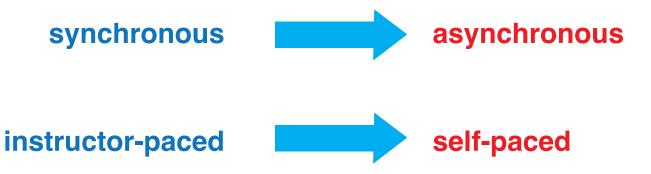


asynchronous

instructor-paced



self-paced



more time to help students where it really matters!

#### Publishers offering textbooks free until May 25

**Broadview Press Cambridge University Press CRC Press McFarland McGraw-Hill Education Oxford University Press Princeton University Press** Routledge SAGE **Taylor & Francis** Wiley W.W. Norton & Company

for a copy of this presentation:

mazur.harvard.edu

resource sheet: bit.ly/fliponline

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