

# Education, post-coronavirus



Opening Academisch Jaar 2020/2021  
Maastricht University  
31 August 2021





# Education, post-coronavirus



@eric\_mazur

Opening Academisch Jaar 2020/2021  
Maastricht University  
31 August 2021









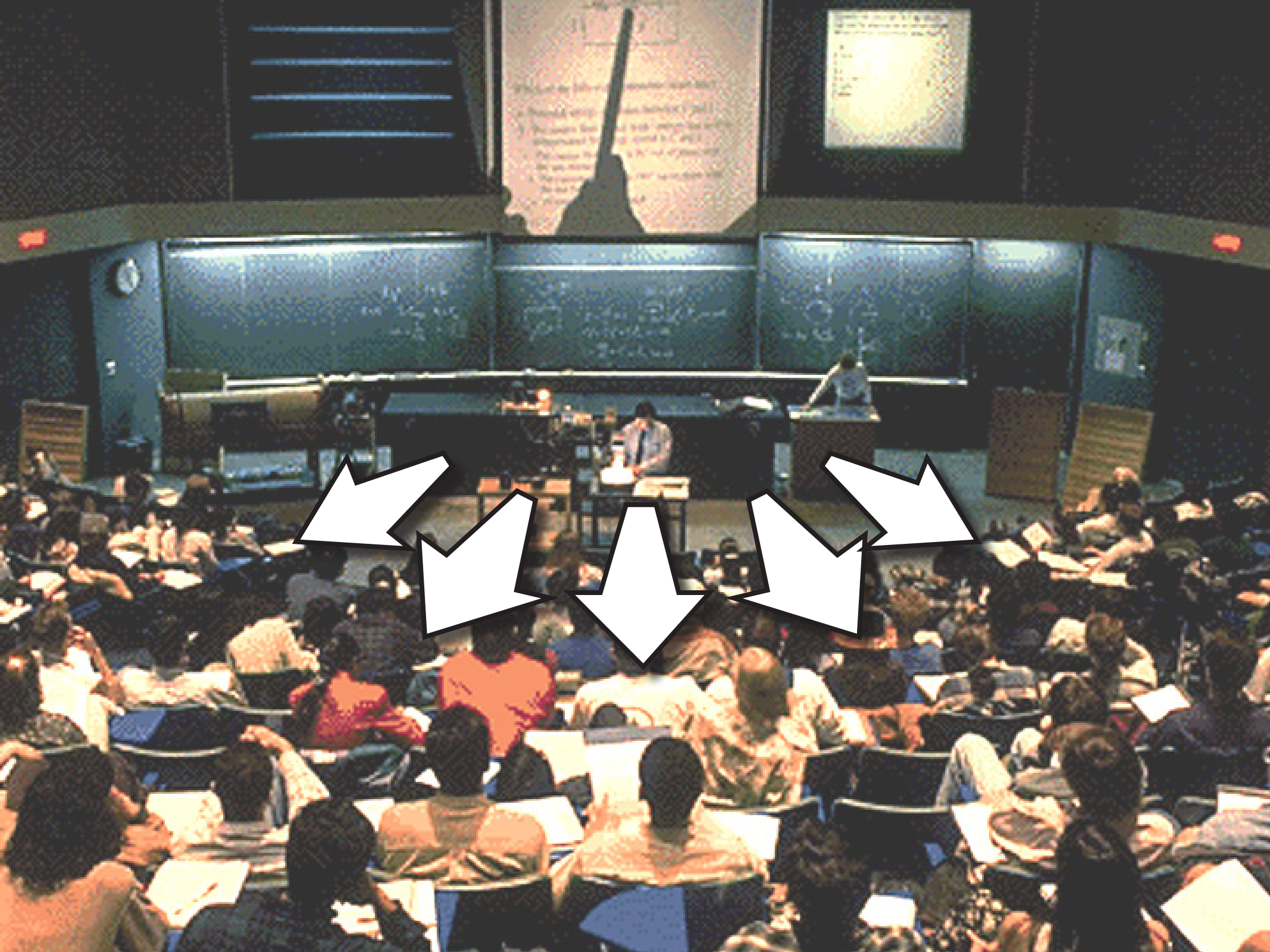








**an illusion. . .**





**information  
transfer**

**sense-making**



**campus**

**information  
transfer**

instructor-paced  
synchronous  
lecture

**home**

**sense-making**

self-paced  
asynchronous  
home work/study



**campus**

**information  
transfer**



**home**

**sense-making**

instructor-paced  
synchronous  
lecture

self-paced  
asynchronous  
home work/study



campus

information  
transfer

instructor-paced  
synchronous  
lecture

home

information  
transfer

instructor-paced  
synchronous  
**online** lecture

home

sense-making

self-paced  
asynchronous  
home work/study



campus

information  
transfer

instructor-paced  
synchronous  
lecture

home

information  
transfer

instructor-paced  
**asynchronous**  
**recorded** lecture

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asynchronous  
home work/study

**ALONE!**



**question**

**question**



**think**



**question**



**think**



**poll**

**question**



**think**



**poll**



**discuss**



**question**



**think**



**poll**



**discuss**



**repoll**

**question**



**think**



**poll**



**discuss**



**repoll**



**explain**



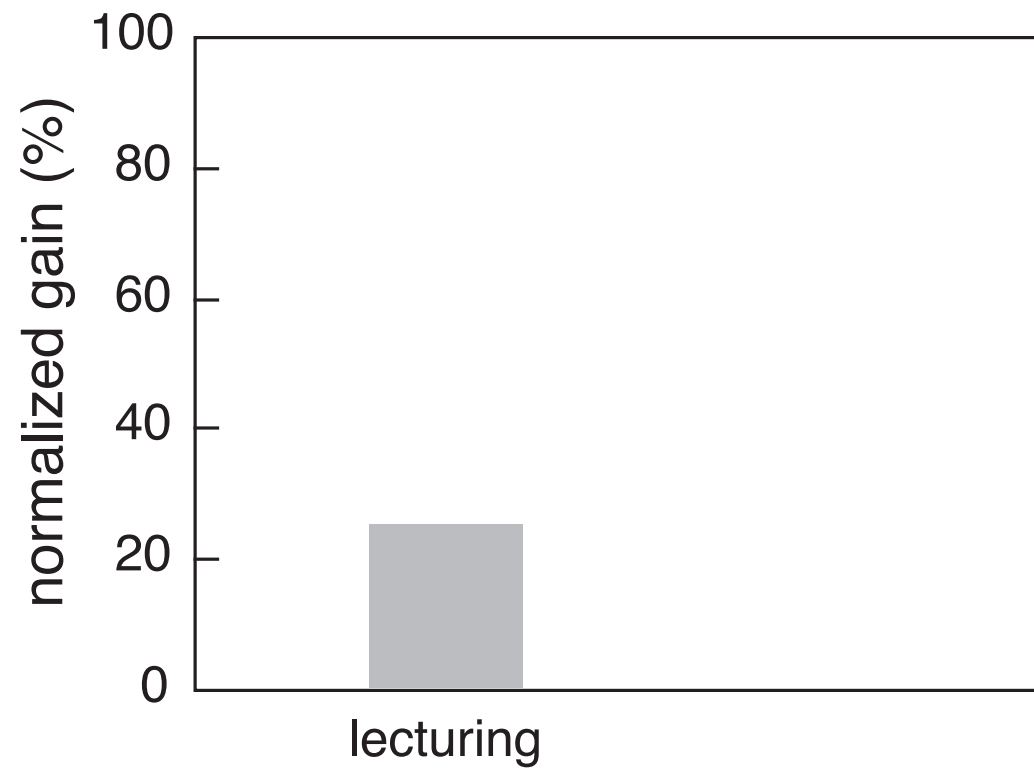


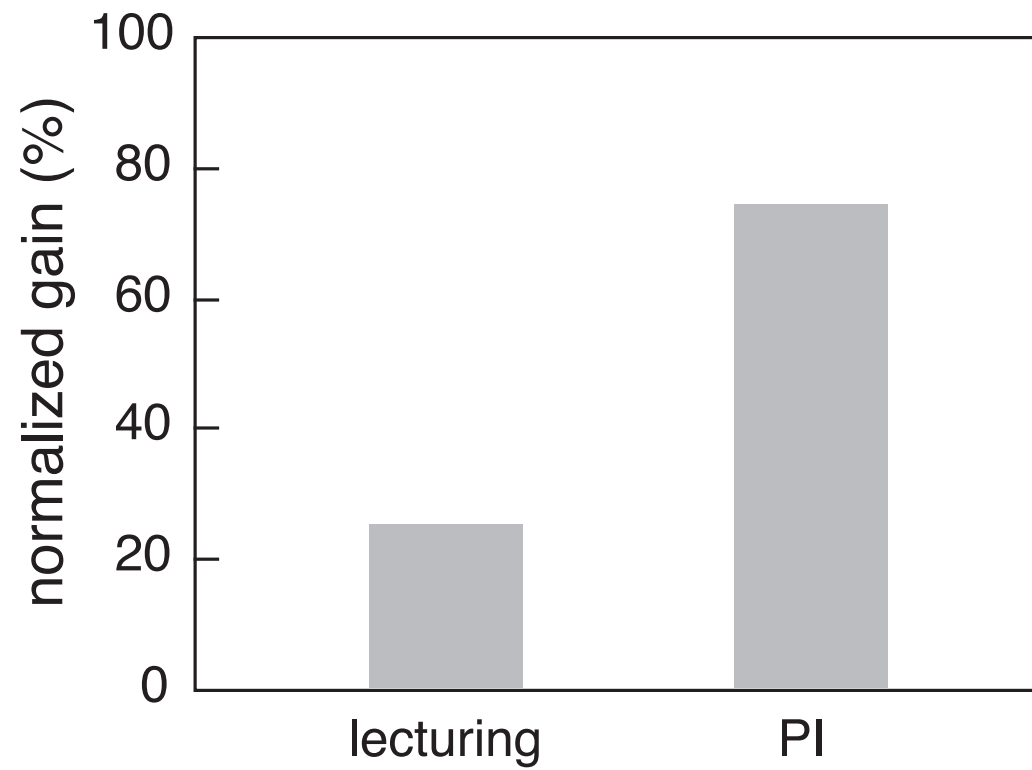




**Higher learning gains**

INSTRUCTION









**Higher learning gains**

**Better retention**

**INSTRUCTION**

**campus**

**sense-making**

instructor-led  
synchronous  
peer instruction

**home**

**information  
transfer**

self-paced  
asynchronous  
pre-class reading

**online**

**information  
transfer**

self-paced  
asynchronous

**online**

**sense-making**

instructor-led  
synchronous





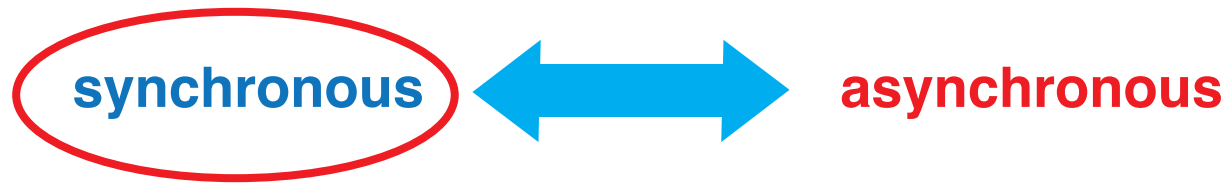
*interactive*

online	online
information transfer	sense-making
self-paced asynchronous	instructor-led synchronous

# Improving education

**synchronous**  **asynchronous**

# Improving education



everybody together  
at the same *time*



# Improving education

**synchronous**



**asynchronous**

**instructor-paced**



**self-paced**

# Improving education

synchronous



asynchronous

instructor-paced



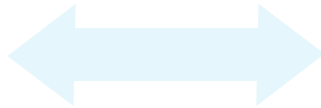
self-paced

everybody together  
at the same *pace*

# Improving education

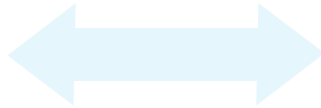
lecture

synchronous



asynchronous

instructor-paced

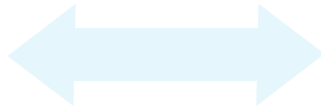


self-paced

# Improving education

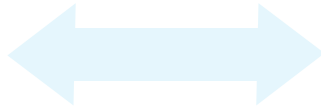
recorded lecture

synchronous



asynchronous

instructor-paced



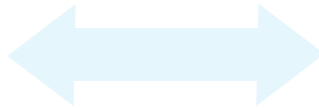
self-paced



# Improving education

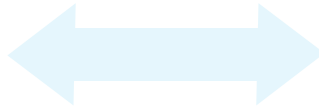
lab

**synchronous**



**asynchronous**

**instructor-paced**

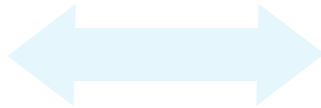


**self-paced**

# Improving education

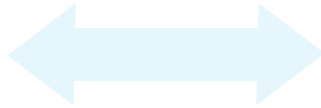
homework/study

synchronous



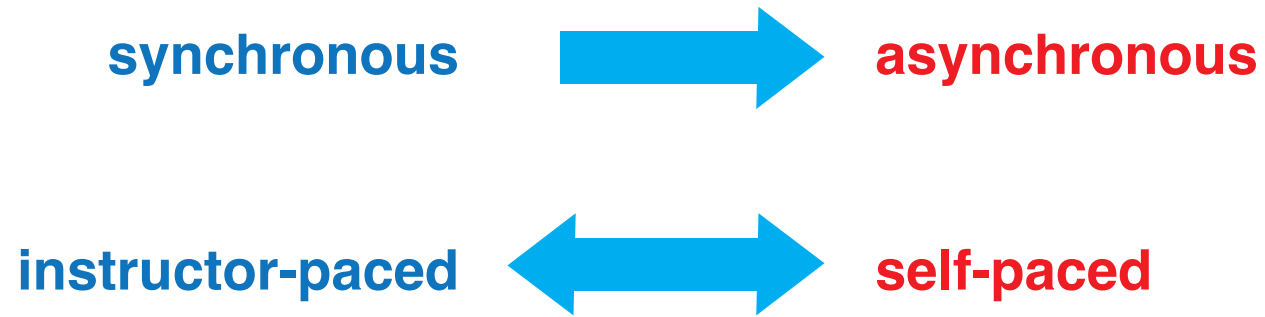
**asynchronous**

instructor-paced



**self-paced**

# Improving education



# Improving education

**synchronous**



**asynchronous**

**instructor-paced**



**self-paced**



# Improving education

synchronous



asynchronous

instructor-paced



self-paced

**more time to help students  
where it really matters!**

**for a copy of this presentation:**

**mazur.harvard.edu**

**resource sheet: [bit.ly/fliponline](http://bit.ly/fliponline)**

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**@eric\_mazur**