

Goal





Goals

By the end of this workshop you will be able to:

 develop a sequence of online and offline learning activities for your own campus course.

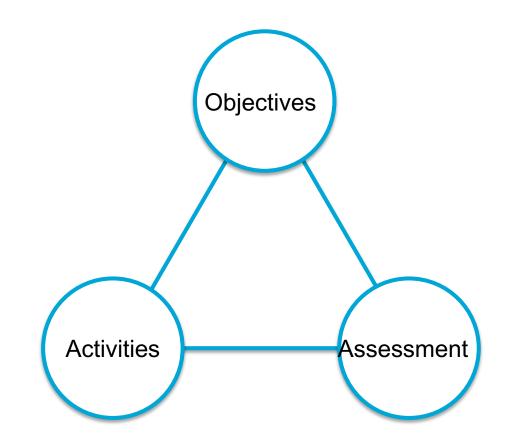




How does it fit?

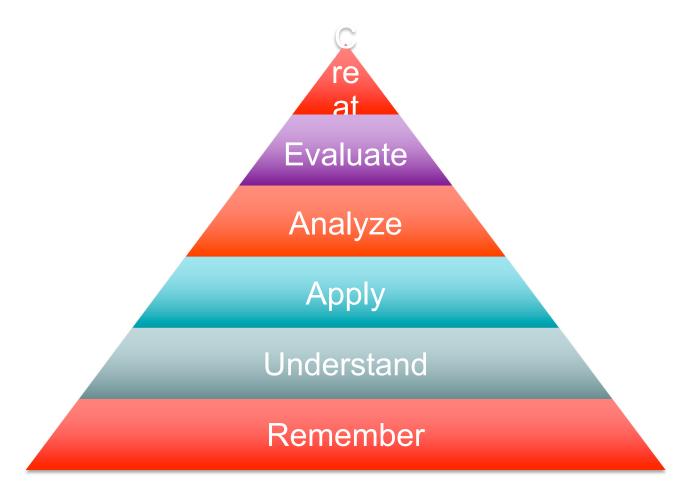






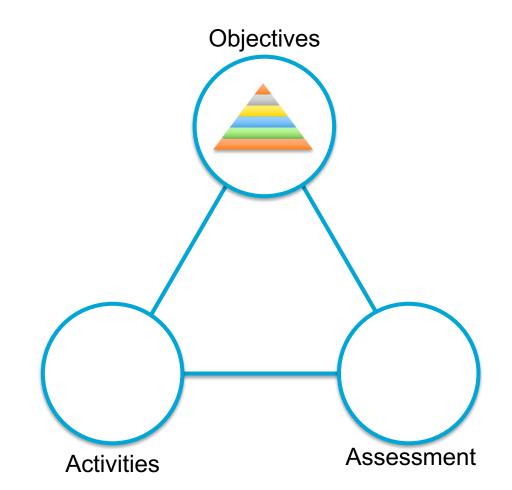


















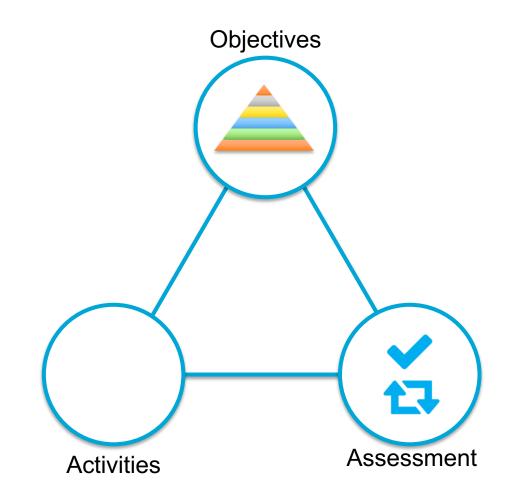
Summative assessment



Formative assessment













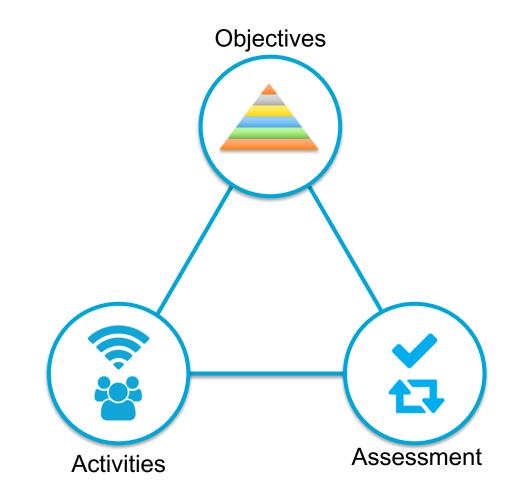
Online activities



Face to face activities











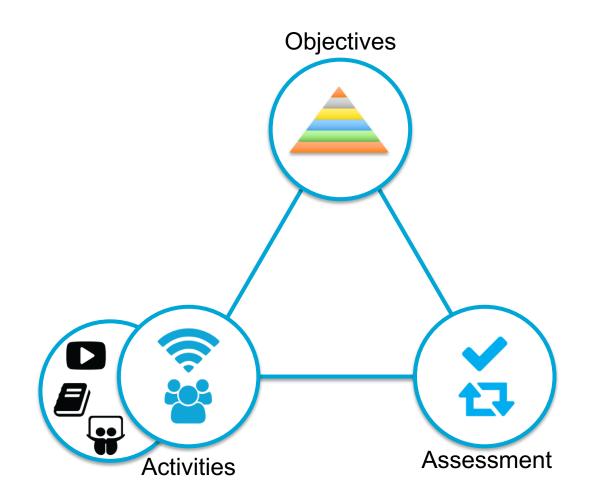






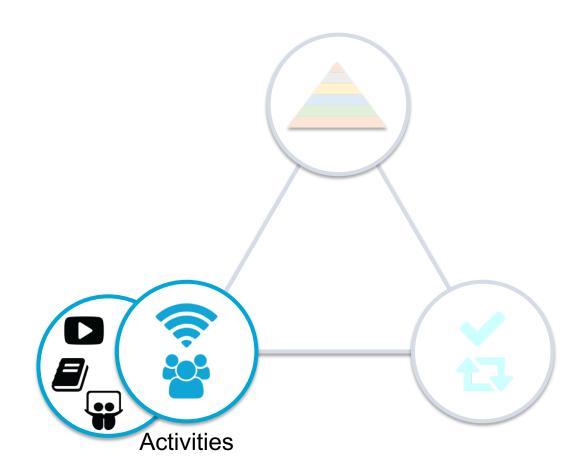














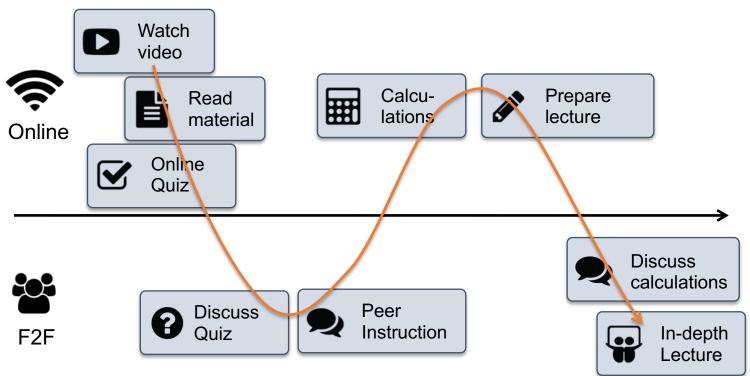


Blended Learning Wave





Blended Learning Wave







Examples



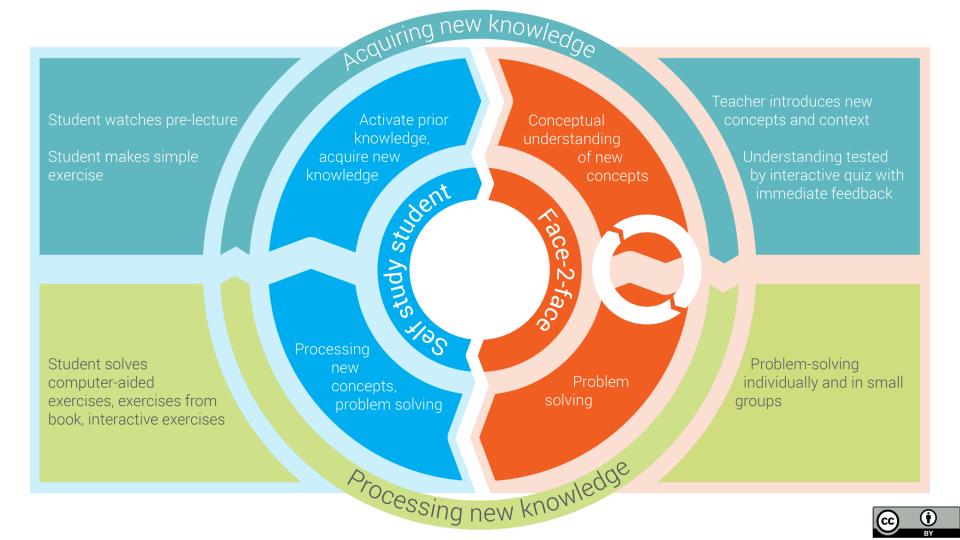


PRIME

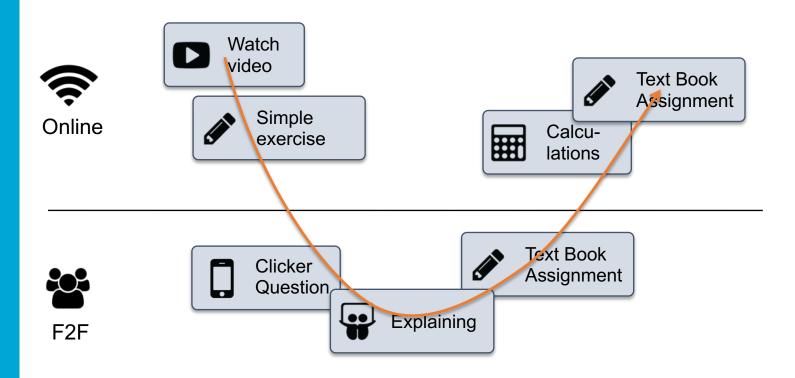
- PRoject Innovation
 Mathematics Education
- Service Education
 1st and 2nd year Math
 courses
- Team of teachers







PRIME















LOGIN

Review mode

SKIP QUESTION 1 Write the following product with a single base. Do not simplify further. $\left(\left(2t\right)^{5}\right)^{3}$ Your answer: $(2t)^{15}$ Yeah! That's right. The correct answer is $\left(2t
ight)^{15}$ $\left({{{\left({2t} \right)}^5}} \right)^3 = {{\left({2t} \right)^{5 \cdot 3}}} = {{\left({2t} \right)^{15}}}$

Railway Engineering

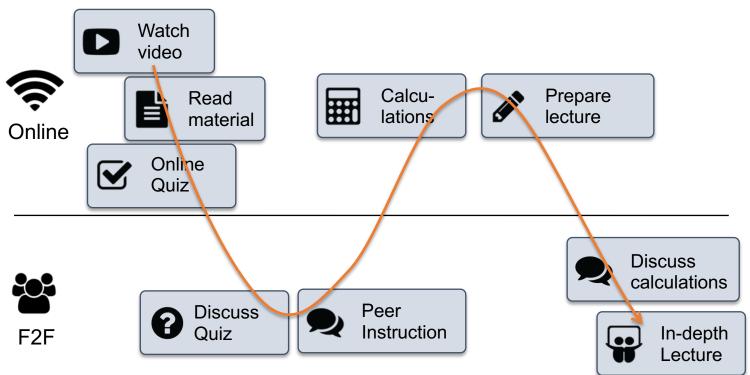
- Redesign 5 master course
- All blended







Railway Engineering







Peer Instruction







Herman Russchenberg

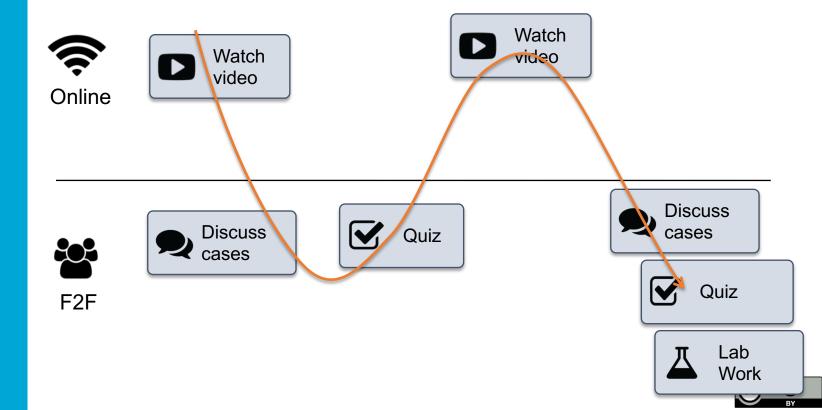
- Climate physics
- Using MIT MOOC materials



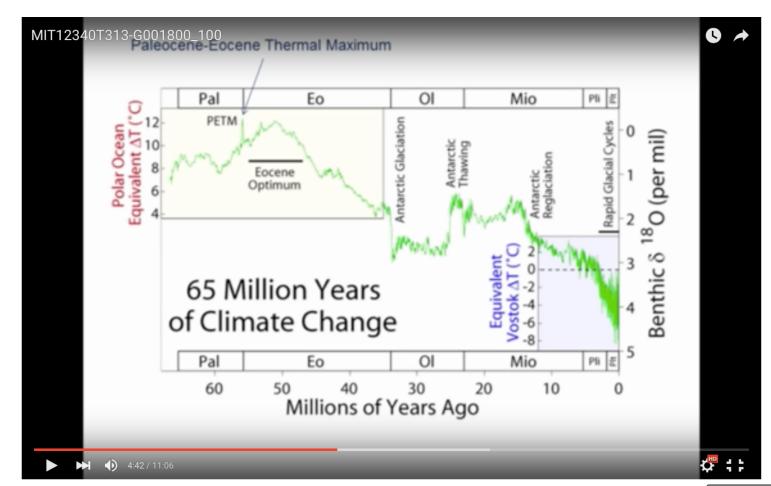




Climate physics











Erik Offerman – 3ME

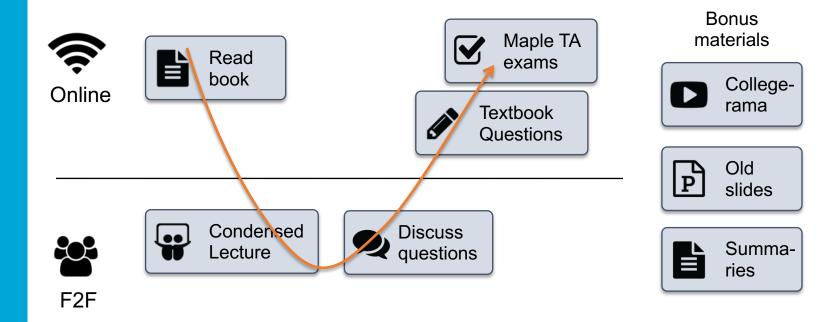
- Materials Sciences
- Online exam questions
- Condensed Lecture
- Problem solving







Erik Offerman – 3ME







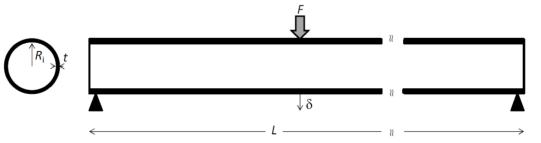
Vragen H5 Remaining Time: Unlimited

- Question 1

1 point

Na de hoofdvraag krijg je nog 3 vragen waarmee je je antwoord onderbouwt.

Een lange, dunwandige buis met een gegeven lengte L en een gegeven inwendige straal R_i wordt op buiging belast door een centraal aangebrachte kracht F, zie figuur.



De buis wordt aan de uiteinden ondersteund zoals aangegeven in de figuur. De elastische uitwijking van de buis mag maximaal gelijk zijn aan δ .

De wanddikte van de buis, t, is tot op zekere hoogte een vrij te kiezen parameter. De enige beperking is dat de wanddikte van de buis veel kleiner moet zijn dan de inwendige straal: $t \le R_i$. De volgende benaderingen moeten toegepast worden (waar relevant):

$$R_{u} = R_{i} + t \approx R$$

$$R_{u}^{2} - R_{i}^{2} \approx 2 \text{ Rt}$$

$$R_{u}^{4} - R_{i}^{4} \approx 4 R^{3} t$$

waarin R (m) de effectieve straal van de buis is. Gebruik deze benaderingen in de uitwerking van de vraag. Gebruik de effectieve straal R en niet R en Ru in de uitwerking.

Submit Assignment

Quit & Save

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Question Menu -

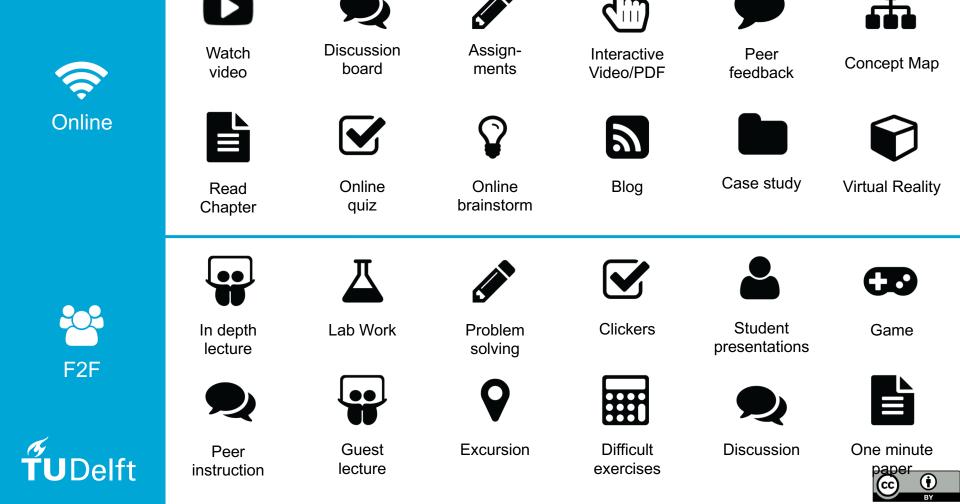




How can you start?







It's your turn

Create your own 'wave' of blended activities





Design Questions



What is the added value of the teacher?



How (often) do you communicate with your students?



How can you integrate feedback?



How much hours can students spend per week?



How do you use online activities as input?





THE MOST VALUABLE TIME IS THE TIME WITH OUR STUDENTS SALMAN KHAN

