TEAM:

IDEA FOR LEARNING TOPIC:

CURRENT HOT ISSUES RELATED TO TOPIC:

BIG NAMES & GREAT BOOKS ON TOPIC:

TOPIC:

PHYSICAL FUN IDEATION VIRTUAL RIDICULOUS HOW MIGHT WE CREATE A LEARNING EXPERIENCE ON: LABORATORY LIKE **BUSINESS LIKE** THAT IS: SCHOOL LIKE PARLIAMENT LIKE

RANKING THE IDEAS

BETTER EXPECTED LEARNING RESULTS

MORE WORK FOR TEACHER





TARGET GROUPS

COURSE: TEAM:

MAII	N THEMES:		WHY THIS THEME I	S RELEVANT RIGHT	NOW?
1.			1.		
2.			2.		
3.			3.		
		1	2	3	4
!!	Target groups that are interested in the theme	0	0	0	0
>	What motivates a learner in this target group?				
•	What is difficult for the group in this theme				
-	How will they find the course?				





CORE CONTENT & LEARNING OBJECTIVES

COURSE: TEAM:

		PREREQUISITES	MUST KNOW	SHOULD KNOW	NICE TO KNOW		
BLOOM'S TAXONOMY:		Skills and knowledge that the learner must have when course starts.	Skills and knowledge that the learner must have when course starts. Core content, that needs to be learned to continue.		Specific knowledge that deepens competence in a certain topic		
		Before the course learner is able to	After the course the learner is able to				
	CREATE	create	create	create	create		
	EVALUATE	evaluate	evaluate	evaluate	evaluate		
Cognitive demand	ANALYZE	analyze	analyze	analyze	analyze		
	APPLY	apply	apply	apply	apply		
•	UNDERSTAND	understand	understand	understand	understand		
	REMEMBER	remember	remember	remember	remember		





ORIENTATION & ACTIVATION

Arousing previous knowledge and interest, evaluation of prerequisites

BASICS & SPARKING INTEREST

The learner acquires the basic knowledge (must know) on theme, and directs her interest more specifically. For detailed planning use Learning Experience canvas.

TEAM:

DEEPENING INTERACTION

Collaborative knowledge construction through assignments



SUMMARY & EVALUATION

Summarizing, evaluating, assessment and feedback

PREREQUISITES

COURSE:

Letter of motivation? Prerequisite test?

Pre-assignment? Pre-reading?

Setting personal learning goals?

→ MODULE 1

Key topics in the module:

Key topics in the module:

→ MODULE 2

Contents: video, readings etc.

Activities/assignments:

Contents: video, readings etc.

Activities/assignments:

→ PROJECT/GROUP WORK

Case/project:

Assignment to turn in:

Method: eg. "jigsaw"

→ SUMMARY

How is the course summarized? How to make learners reflect?

→ ASSESSMENT

See Learning Objectives canvas

WELCOME & ORIENTATION

Kickoff-meeting:

Engaging the group, communication channels

Tools and resources:

Learning objectives: see canvas Learning Objectives

→ MODULE 3

Key topics in the module:

Contents: video, readings etc.

Activities/assignments:

→ MODULE 4

Key topics in the module:

Contents: video, readings etc.

Activities/assignments:

→ INDIVIDUAL ASSIGNMENT

Theme:

Assignment to turn in: Eq. essay, presentation

→ FEEDBACK & RECOGNITION

How will the learners get feedback? How is learning made visible and credited?

CONTINUOUS FEEDBACK

How do the learners get iterative feedback during the course?





ACTIVITIES & FORMATS

COURSE: TEAM:

TARGET LEVEL (see Learning Objectives)	TOPICS TO LEARN (see Learning Objectives)		ACTIVITIES & FORMATS		TOOL
CREATE: Designing, publishing, planning, producing,	ø	→	☐ Individual research essay/paper☐ Individual presentation☐ Individual project: product, design, service	→	☐ Moodle/LMS ☐ Other
inventing, constructing			Group work (asynchronous): □ Collaborative research/design project		☐ Adobe Connect / Zoom☐ Other
EVALUATE: testing, experimenting, checking, judging,	G *	_	Content evaluation: Research essay/paper Peer-evaluation (of essays, of group work)	_	☐ Moodle forum☐ Google Drive☐ Other
moderating, critiquing			Video conference (real time): ☐ Online-seminars / group discussions ☐ Moderating a seminar		☐ Adobe Connect☐ Zoom☐ Other
ANALYZE: organising, outlining, integrating, comparing,			 □ Reflection essay (can be self-evaluated) □ Self-evaluation □ Peer-commenting (of text, of participation) 		□ Other
validating		→	Video conference (real time): ☐ Online-seminars / group discussions ☐ Small group discussions / 1-to-1 discussions	□ Moodle/LMS □ Other □ Adobe Connect / Zoom □ Other □ Moodle forum □ Google Drive □ Other □ Adobe Connect □ Zoom □ Other	
			☐ Online workshop (real time)		☐ Flinga ☐ Other
			☐ Commenting/annotating videos ☐ Creating videos		
APPLY: implementing,	G *		☐ Argumentative essay ☐ Exam		
operating, using, editing			☐ Solving a business case collaboratively		☐ Adobe Connect / Zoom
Ü		→	□ Watching videos □ Online exercise session (Fin. laskuharjoitus) □ Editing wikis (asynchronous): □ Collaborative authoring □ Gallery of cases / instances □ Virtual lab work (introductory) □ Quizzes, multiple choice tests	→	□ Panopto/Etuubi□ Adobe Connect/Zoom
UNDERSTAND: summarizing, explaining, categorizing		→	□ Posters □ Reflective/narrative essays □ Forum discussions & commenting (asynchronous) □ Classification and identification exercisses □ Infromation lookup exercises: mindmap etc	→	☐ H5P: Hotspot, sequencing ☐ Mindjet
			Online chat (real time): ☐ Small group chats ☐ Teacher Q&A		
REMEMBER: Identifying, recognising, listing	•		☐ Flash cards ☐ Listening to podcasts		☐ H5P: Flashcards
3 3.		→	□ Reading articles	→	□ Other





WORKLOAD ESTIMATION

COURSE: TEAM:

Note: The coefficients given are simplified and an estimation should always be made according to teachers understanding of the material, group and other circumstances.

Task	Туре	Workload / unit	Workload	Hours	ECTS
Reading (Word count in	Survey : Reading to survey main ideas; OK to skip entire portions of text	20-50 pages / hour in native language. Foreign lang. 60%			
monography ca. 600/page, textbook 750/page)	Understand : Reading to understand the meaning of each sentence	10-20 pages / hour in native language. Foreign lang. 60%			
	Engage : Reading while also working problems, drawing inferences, questioning, and evaluating	4-10 pages / hour in native language. Foreign lang. 60%			
Writing (250 words / page)	Reflection/Narrative: Essays that require very little planning or critical engagement with content	1 h / page			
page)	Argument : Essays that require critical engagement with content and detailed planning, but no outside research	2 h / page			
	Research : Essays that require detailed planning, outside research, and critical engagement	4 h / page			
Exam preparation	Recap of content and making notes	4-5 h / 1 ECTS in exam			
On-campus teaching	Lectures, seminars, guided exercises etc.	1 h = 0,037 ECTS			
teaching	Independent work / time to think after teaching	1-2 h / hour of teaching			
	Math home exercise / lab work after teaching	3-4 h / hour of teaching			
Group work	Eg. preparation of a presentation	5 h preparation / 1 h presentation			
Other work	All other work, such as excursions.				
		TOTAL:			

Sources:

 $Rice\ University:\ "Course\ Workload\ Estimator\ -\ Estimation\ Details"\ (https://cte.rice.edu/workload\#howcalculated),\ referred\ 15.5.2019$

University of Oulu: "Akateemisen opintojakson työmäärän mitoittaminen"

(https://www.oulu.fi/koulutuspalvelut/julkaisut_ja_materiaalit/verkkomateriaaleja/ydinainesanalyysi.htm), referred 15.5.2019

Aalto University (2016): Estimated and perceived: A guideline on workload by Aalto University pedagogical training. Training material.

Karjalainen, A., Alha, K. ja Jutila, S. (2006): Give me time to think - determining student workload in higher education. University of Oulu, Teaching development unit.





Credit: 1 ECTS = 27 h

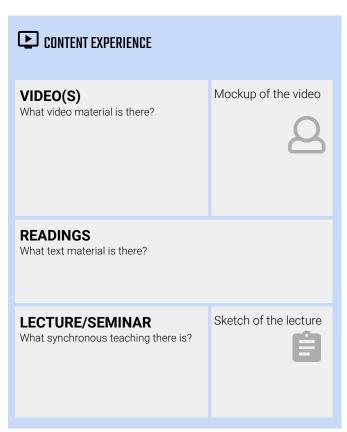
LEARNING EXPERIENCE

COURSE: TEAM:

This canvas is used to plan individual modules or weeks as learning experiences. Use the Course Structure canvas for general planning.

MODULE #: KEY TOPICS:

CONTENT DRIVEN



PARTICIPATORY EXPERIENCE **EXAMPLES ACTIVITIES** What is the learner doing? Use the □ Quiz Activities and Formats canvas. ☐ Mindmap ☐ Essay ☐ Exercise: math/code ☐ Classification exercise ☐ Other ... **ASSIGNMENTS** What do the learner need to turn in? **KNOWLEDGE CONSTRUCTION** What tools are the learners using to build connections between topics?

← PASSIVE ACTIVE →

PROCESS DRIVEN

VIRTUAL ENVIRONMENT
What's the platform? What other online tools are needed?

MICROLEARNING/CHUNKING
How is the content chunked to accessible nuggets (15 min)?

PITCH TALK
What's the purpose of this module, told in 30 seconds?

MEETING(S)
What face-to-face or online gatherings there are?

COMMUNITY/DISCUSSION
What channels there are for informal chat and support?

REAL-WORLD RELEVANCE
How do you connect the content to the real world?

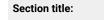












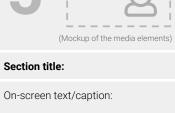
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Narration/voiceover:



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(Mockup of the media elements)









Section title:

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COMMUNICATIONS & SUPPORT

registration

Are there prerequisites?

Have I registered?

How do I register? Where are the

instructions for registration?

COURSE: TEAM:



APPLICATION & REGISTRATION Finding the course, application,

STARTING & ACTIVATING Pre-exercises and introduction



BASICS materials





FEEDBACK & ASSESSMENT

Summary, assessment, feedback & closing dowm

LEARNER'S **NEED**

What information the learner needs, what kind of support?

What courses are available? What is this course about? What do I learn in this course? What's the structure and schedule of this course? Where is this course taught?

When is the course going to start? Is there a pre-exercise? How to turn it in? Who else is participating? What tools are being used in the course? I can't login to course online platform. I can't participate in the first weeks of the course, can I still register? I have previously done half of the course, can I participate partially? How is the grading done?

I can't make it to the lecture, do I need to compensate this? Where can I find the readings? I didn't understand the assignment. I can't open pdf file. My connectivity is bad and I can't watch the videos, can I read the material instead?

Core content, lectures,

My connectivity is bad, do I have to take part in group discussions? Where can I find the assignments? What tools should I be using for the exercises/assignments? I can't get contact with my group. There is a freerider in my group. I can't get in touch with my business case company.

Is there an exam? When? What is the content area of the exam? How do I get feedback? How do I give feedback? I disagree with my grading. I wanted to get better grades. Did I pass the course? How can I prove my accomplishment for my

COMMUNI-

How is the message delivered?

SUPPORT CHANNELS

How to reach out when there's a question?

WHO **REPLIES?**

Who's responsible for the channel, who will reply?







CHECKLIST FOR PSYCHOLOGY OF LEARNING

COURSE:

PS	CHOLOGICAL NEED	POSSIBLE METHOD	Tru	e		Fa	lse
	1. Meaning in content	Course description connects the learning content to wider context and interests of the learners.	5	4	3	2	1
MOTIVATION	2. Experience of competence	Learner takes a participatory assignment right at the beginning of the course. If the assignment can be failed, there must be a possibility for retry.	5	4	3	2	1
MOT	3. Autonomy	Learner can pick the best suitable elements of learning for her/him, eg. time of study, project topic.	5	4	3	2	1
	4. Social relatedness	Learner is connected to other learners through eg. meetings, chat rooms, forums, video conferencing.	5	4	3	2	1
	5. Learning content is linked with previous knowledge	Previous knowledge is activated at the start of the course through eg. prerequisite test or letter of motivation.	5 🗆	4	3	2	1
MEMORY	6. Memorizing is active knowledge construction	The learner has to look up for information and showcase her findings. There is eg. a project work, group assignment, presentation or mathematical exercises included in the course.	5	4	3	2	1
	7. Context helps remembering, irrelevance prevents it	The learning content is linked with real-world examples, for example business cases. Every topic is demonstrated with at least one example.	5	4	3	2	1
	8. The last and first piece of information is often best remembered	There is at least some kind of summary at the end of the course: "take-home message". Even better, if there is summary after every module.	5	4	3	2	1
NOITN	9. People can focus on one thing / medium max 15-20 minutes	Single videos or lectures are not more than 15 minutes long.	5	4	3	2	1
ATTENTIO	10. People learn better through divided training than through cramming	Course content is divided into smaller chunks and chunks are assembled into thematic modules.	5	4	3	2	1
EMOTION	11. People learn and perform well, when they experience psychological safety	Individual learners can participate and present results anonymously. Discussions are participatory and everyone is included.	5	4	3	2	1





THE USABILITY CHECKLIST

Need	Method	Tru	е		Fals	e
Target group and application	The target group is clearly indicated (degree students/non-degree students/all students).	5	4	3	2	1
process	Prior knowledge requirements and recommended prerequisite skills are communicated clearly at the application stage.	5	4	3	2	1
	The application process is outlined and required documents are listed clearly.	5	4	3	2	1
	The course includes a test of prior knowledge, self-assessment, motivation letter, or other method of ascertaining the starting level of the students.	5	4	3	2	1
Accessible course	The estimated workload (instructed study and self-study) is indicated clearly.	5	4	3	2	1
organization	Compulsory assignments and possible exams are defined clearly.	5	4	3	2	1
	Information is made available regarding the course schedule and possible compulsory meetings (time, place, making up for absences).	5	4	3	2	1
Engaging assignments	The course includes regular assignments or other contact points designed to foster student engagement in the course.	5	4	3	2	1
	Assignments are consistent with the learning objectives of the course as well as the requirements of professional life.	5	4	3	2	1
	Instructions are clear and include the necessary information on the method of completion, assessment, and deadlines.	5	4	3	2	1
	Assignments can be completed online (on an online course) either independently or in groups.	5	4	3	2	1
	Assignments can be completed using a variety of technologies including text, images, videos, and sound.	5	4	3	2	1
Catering for a diverse group	The content and professional-life applications of the course form a coherent whole and are presented in a clear manner.	5	4	3	2	1
	The course begins with a kick-off or other face-to-face meeting designed to promote student engagement in the course.	5	4	3	2	1
	Additional material and easily accessible support are made available to students who require help with course content or study skills.	5	4	3	2	1
	Students are given the opportunity to apply skills learned during previous or current employment when completing course assignments.	5	4	3	2	1

Sources: Pilvi Lempiäinen (2018): Checklist for Designing a Course for Non-Degree Students.

eAMK (2019): Evaluation Tool for Online Implementations. https://www.eamk.fi/en/courses-offering/evaluation/
CAST (2019): Universal Design for Learning Guidelines. http://wdl.guidelines.cast.org/





THE TECHNICAL IMPLEMENTATION CHECKLIST

Topic	Method	Tru	е		Fa	lse
Learning platform (LMS)	In principle, the course makes use of the same platform as other courses, unless there is a compelling reason to use another tool instead.	5	4	3	2	1
	The one-stop principle: All course materials, exercises and workspaces can be found via the course page/learning platform.	5	4	3	2	1
	The learning platform is used to collect metadata for analysis. This data is available to the teacher e.g. for the purposes of instruction and to learners e.g. for the purposes of monitoring the progress of their studies.	5	4	3	2	1
	The platform and other tools are also easy to use on mobile devices.	5	4	3	2	1
Other tools	If other web-based tools are used, the reasons for the decision to do so are shared with the students. Any applications used are information secure and available free of charge.	5	4	3	2	1
	User instructions for using the online platform and other tools, downloading applications, and creating a user account can be found on the learning platform.	5	4	3	2	1
	Requirements regarding equipment and other necessary applications are included in the course description available at the registration stage.	5	4	3	2	1
Organization of content	The content on the learning platform is logically structured: chronologically, thematically, or based on other coherent criteria.	5	4	3	2	1
	Content such as folders, files, and pages are identifiable and named in a logical manner.	5	4	3	2	1
	The course is visually coherent and students have no difficulty identifying the elements it comprises.	5	4	3	2	1
Usability and visual aspects	Fonts are easily readable. The text used is sufficiently large or can be enlarged.	5	4	3	2	1
	Text is readable with the help of a screen reader. Headings use heading elements, the body text uses body text elements, and pictures are accompanied by descriptive text.	5	4	3	2	1
	Videos and audio files are subtitled or transcribed, or the content is otherwise available in text form.	5	4	3	2	1
	Material that is not accessible is clearly labelled as such.	5	4	3	2	1
	Using the various tools provided is information secure. Content and materials are information secure.	5	4	3	2	1

Adapted from the eAMK Evaluation Tool for Online Implementations (Mari Varonen & Tuula Hohenthal 2017). https://www.eamk.fi/en/courses-offering/evaluation/

Source: CAST (2019). Universal Design for Learning Guidelines. http://udlquidelines.cast.org/



