

Instructions

- 1) Add the name of the module you need to prepare for the e-learning course. You can foresee also more than one module, please add as many row as you wish
- 2) Add the list of topics addressed by each module (also in this case you can add as many rows as you prefer)
- 3) In relation to the topics suggested by the other Universities, please indicate (by highlighting the correspondent box) if that specific topic would interest you

	<i>Name of the module</i>	<i>Main Topics to be addressed</i>	POLIBA/UNIBA	LIU	UPM	PUT
POLIBA/UNIBA	Lean systems and continuous improvement	What a Value Stream is		This is interesting in our advanced level and basic level course in MPC where we look at VSM and other Lean tools.	This module is a very good complement to reinforce concepts of our advanced operations management course	PUT has lean courses in its offer it would be interesting to enrich our offer with additional material
		How to map a Value Stream				
		KPIs for the Value Stream				
		How to improve a Value Stream				
	Advanced Lean Systems: Pull & Levelling Tools	What Lean Re-engineering is	This module can surely benefit from the BOSCH experience (factory case studies)	This is interesting in our advanced level course in MPC where we look at VSM and other Lean tools.		It seems to be practical approach especially the aspect of lean re-engineering is interesting as it is new and not usually included
		The role of decoupling in Pull Systems (Supermarkets)				
		How the Pacemaker controls the production				
		Levelling the production mix and volume				
	How to calculate the number of Kanban in a closed loop				Closed loop is and element of circular economy - crucial these days	
	Using Real Time data for KPIs (or K) calculation (I4.0)					
LIU	Artificial Intelligence in Operations Management	Difference between AI and machine learning	These topics can be useful for our module "Decision theory" (2 ECTS): Decision making under conflict, risk and uncertainty.		This module is a very good complement to reinforce concepts of our advanced operations management course	New and valuable topics
		Decision making				
		Machine learning in operations management				
		Machine Learning exercise				
		1				
	2					
	3					
	4					
UPM	Project Monitoring	Project Success	These topics can be useful for our module "Decision theory" (2 ECTS): Decision making under conflict, risk and uncertainty. Project Planning and Control	This module can be interesting for our students in our project based course.		Useful ad interesting
		Monitoring Earned Value / Earned Schedule				
		Forecasting the project Evolution				
		Decision Making from the Customer point of view				
	Digitalization & Projects	Digitalization of Business Processes				Useful ad interesting
		Digital Tools useful for Managing Projects				
Managing Projects related to Digital Transformations						
	The BIM cases. Lockin in Complex Value Streams					
PUT	Closed-loop material flows in supply chain	Identification of material flows	These topics can be useful for our courses "Enviromental management of production systems" and "Industrial Logistics"	This module can be interesting for our students in our advanced level course in SCM	This module is a very good complement to reinforce concepts of our advanced operations management course	
		Identification of reverse flows				
		Tools and methods to recover/regain value from material flows				
		Monitoring value of the material flow				
	Competences matrix for manufacturing employees (agile approach)	Identification of competences required				
		Identification of competences offered				
		Measures for competences coverage				
	Competences flexibility, adaptability					