

CHALLENGE BASED LEARNING THEMES @UT

Theme	CBL feature	Possible learning en teaching topics
Real-world	Interdisciplinary	Sharing results/outcomes/ideas publicly
	Co-designing	State of the art technology
	Challenges	Prototyping and gained knowledge and skills are tested in practice
	Meaningful learning	Education contributes to existing wicked problems
		Authentic learning
21st-century skills/competences	Interdisciplinary	Focus on the learning process rather than the result
	Co-designing	The balance between knowledge and skills (transferable skills)
	Challenges	Ethical considerations are taken into account
	Meaningful learning	Higher-order thinking skills
	Student-driven	Contradicting viewpoints are part of the learning outcomes
		Learning is driven by asking questions
		Becoming lifelong learners (reflection)
Stakeholder involvement	Interdisciplinary	Working together with industry
	Challenges	Community involvement
		Part of the research community
		Forming learning community's
		Develop knowledge and skills through experience
		Solution/conclusion/gained knowledge reflect ethical considerations
Changing role of the teacher	Co-designing	Learning occurs through Feedback/feedforward
	Challenges	Involving variant learning partners
	Student-driven	Reflection (skills) integrated into the course design/teaching method
		The shift from answering questions towards asking questions
Flexible learning paths	Co-designing	Micro-credentials
	Challenges	Students can determine the pace of their learning process.
	Meaningful learning	Flexible assessment schedule (when ready)
	Student-driven	Students (re-) consider different perspectives to craft thoughtful solutions
		The flexible pace of the learning activities
		Choice in learning materials, resources and activities