Module: Open Innovation

Module Abbreviation	**TA.BA_OPEN_ISA**										
Module Type	☐ Core ☐ Related ☐ Project ☒ Minor										
Module Level	☐ Basic ☒ Intermediate ☐ Advanced										
ECTS Credit Points	☒ 3 ☐ 6 ☐ 9 ☐ 12										
Bachelor Degree Program	Architecture	Interior Architecture	Digital Construction (SP Architecture)	Digital Construction (SP Building Technology/ SP Structural Engineering)	Civil Engineering	Building Technology | Energy	Electrical Engineering and Information Technology	Mechanical Engineering	Digital Engineering	Medical Engineering | Life Sciences	Business Engineering | Innovation	Energy and Environmental Systems Engineering
Compulsory **X** / Elective **(X)**	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Module Coordinator	Julie Harboe, julie.harboe@hslu.ch											
Scheduling	☐ Fall semester (regular lecture) ☐ Fall semester only repetition exam, without lecture ☒ Spring semester (regular lecture) ☐ Spring semester only repetition exam, without lecture ☐ Intensive week ☐ Fall semester ☐ Spring semester											
Language of Instruction	☐ German ☒ English											
Prerequisites *(Modules that must be "passed" beforehand)*	☒ Recognized English certificate or internal English assessment of at least level B2 required (if conducted in English)											

Semester performance (together with final module examination = proof of performance)	**Type of semester performance:** ***Options:*** *oral, written, practical*	**Form:** ***Options:*** *Individual examination, group work, presentation, documentation/report, product*	**Weighting in %** *(Total corresponds to crediting to proof of performance (max. 50%)*
	Written	Group work Project sketch	50%
	☒ Must be provided for each repetition.		

Final module examination (together with semester performance = proof of performance)	**Exam Type:** ***Options:*** *oral, written, practical*	**Form:** ***Options:*** *Individual examination, group work, presentation, documentation/report, product*	**Weighting in %** *(must always add up to 100 %)*
	Oral	Individual	50%
	Examination duration in hours: 15 Min. Specification of the form: Oral exam on learning objectives and project sketch		

Competencies gained after completing module	Learning Outcomes include:
Professional Competencies	F1: The students can describe the open innovation model and work with the basic terms and concepts involved in industry, research and contexts where open collaboration is impactful (such Open and Citizen Science, Sharing in Maker Communities, Creative Commons, Open Publication, Open Science) F2: The students understand the systematic ideation process and can run projects accordingly. F3: The students can apply open creation processes to elaborate new ideas and innovate faster. F4: The students can purposively use technology to identify new markets and applications. F5: The students can describe different open business models and platforms and consider their use in a particular job
Methodological Competencies	M1: The students are able to select open innovation instruments and apply them in a business context.

	M2: The students can frame questions for a crowd sourcing and analyze the results. M3: The students can plan and conduct open ideation projects. M4: The students can identify open innovation business models
Personal and Social Competencies	P1: The students can execute and deepen individual learning content. P2: The students are aware of their abilities and trust in open forms of collaboration with partners. P3: The students can actively participate in open innovation workshops.

Content Focal points:	• Theories of Open Innovation (OI) • Relevance of OI for design, research, and deep tech industry • Weighing intellectual property with open-source culture • Knowledge creation in makerspaces • Crowdfunding and -sourcing • Successful open-source business models
Teaching and learning method:	The course uses mixed mode of lectures, workshops, collaborative team work, project development,
Supporting teaching activities such as excursions, specialist lectures, etc.:	The course invites specialists from industry, design, research, art and the course has at least one excursion to a creative space such as an innovation hub or a maker space.
Estimated % share GS: Guided study; GSS: Guided self-study; SS: self-study	GS: 40% GSS: 30% SS: 30%

Literature / Learning Materials	Chesbrough, Henry William, Agnieszka Radziwon, Wim Vanhaverbeke, and Joel West, eds. *The Oxford Handbook of Open Innovation*. First edition. Oxford, United Kingdom: Oxford University Press, 2024. https://doi.org/10.1093/oxfordhb/9780192899798.001.0001 Dahlander, Linus & Martin Wallin Why now ist he time for 'Open Innovation' HBR June 05, 2020 https://hbr.org/2020/06/why-now-is-the-time-for-open-innovation Stacey, Paul, and Sarah Hinchliff Pearson. *Made with Creative Commons*. Denmark: Ctrl+Alt+Delete Books, 2017. Bogers, Marcel, Henry Chesbrough, Sohvi Heaton, and David J. Teece. "StrategicManagement of Open Innovation: A Dynamic Capabilities Perspective." *California Management Review* 62, no. 1 (November 2019): 77–94. https://doi.org/10.1177/0008125619885150. Excerpts from these and other texts, lectures and references are provided within the course.

Complementary and Extending Modules	
Comments	

Short Description of Module	Learning the basic concepts of systematic ideation and purposive use of technology. Practicing methods of collaborative creativity. Discussing complex questions of partnership and intellectual property. Participating in a true innovation movement.

Log of Changes to this Module Description:

Index:	**Date:**	**Text:**	**Initials:**
00	01.07.2024	Adjustments to new format of module description	Hju

01	01.07.2024	Evaluation Date Head of degree program	gur
-	02.07.2024	Date of Approval Vice Dean BA&MA	sus