



4 credits	30.0 h	Q1
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Teacher(s)	Kieffer Suzanne ;Tylski Rémi ;
Language :	French
Place of the course	Mons
Main themes	<ul style="list-style-type: none"> · Project lifecycle · Methodologies: SCRUM (méthode agile); UCD (User-Centered Design); AUCDI (Agile User-Centered Design Integration) · Design: UCD; design thinking; creative problem solving · Evaluation: analysis of user attitude and user behavior · Planning, development and evaluation of digital strategies
Aims	<p>Upon completion of this course, the student will be able to :</p> <ul style="list-style-type: none"> · AA1: Describe the SCRUM and UCD methods · AA2: Explain the integration of SCRUM and UCD by illustrating different situations throughout the lifecycle of a project (phase, level of effort, deliverables, etc.) 1 · AA3: Apply UCD methods and techniques that support the design and evaluation of interactive systems within project development · AA4: Analyze and compare several deliverables (e.g. two prototypes), and choose the most efficient by justifying their choice · AA5: Plan and evaluate development activities, and propose solutions that iteratively improve the digital strategy <p>-----</p> <p><i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i></p>
Evaluation methods	<p>1st session: formative assessment</p> <ul style="list-style-type: none"> • Knowledge tests (30%) • Individual assignment (30%) • Collective assignement (40%) <p>Failure in one of the assessment categories leads to an overall failure for the course.</p> <p>2nd session: individual assignment to be delivered on the first day of the session</p>
Teaching methods	<ul style="list-style-type: none"> • Lectures • Flipped classroom • Teaching by project
Content	<ul style="list-style-type: none"> • Project lifecycle • Methodologies: SCRUM (agile method); UCD (User-Centered Design); AUCDI (Agile User-Centered Design Integration) • Design: UCD; design thinking; creative problem solving • Planning, development and evaluation of digital strategies
Inline resources	<ul style="list-style-type: none"> • Student Corner: lecture notes, bibliography, workshops, assignments, models and criteria grids for evaluation • Web: videos, blogs, websites, online software

<p>Bibliography</p>	<ul style="list-style-type: none"> • Student Corner : notes de cours, bibliographie, ateliers, devoirs, modèles et grilles critériées d'évaluation • Web : vidéos, blogs, sites web, logiciels en ligne • Beck, K., et al. 2001. Manifesto for Agile Software Development. Web: www.agilemanifesto.org, last accessed 27-juin-18. • Andrei Garcia, Tiago Silva da Silva, and Milene Selbach Silveira. 2017. Artifacts for Agile User-Centered Design: A Systematic Mapping. In Proceedings of the 50th Hawaii International Conference on System Sciences (HICSS-50). IEEE, HI, 2017, 10 pages. DOI=http://doi.org/10.24251/HICSS.2017.706 • Suzanne Kieffer, Aissa Ghouti, and Macq Benoit. 2017. The Agile UX Development Lifecycle: Combining Formative Usability and Agile Methods. In Proceedings of the 50th Hawaii International Conference on System Sciences (HICSS-50). IEEE, HI, 2017, 10 pages. DOI=http://doi.org/10.24251/HICSS.2017.070 • Sanjay J. Koyani, Robert W. Bailey, Janice R. Nall, Susan Allison, Conrad Mulligan, Kent Bailey, and Mark Tolson. 2006. Research-Based Web Design & Usability Guidelines: Current Research-Based Guidelines on Web Design and Usability Issues. U.S. Department of Health and Human Services, Washington, D.C. • Martin C. Maguire. 2001. Methods to support human-centred design. International Journal of Human-Computer Studies, 55(4), 587-634. DOI=http://doi.org/10.1006/ijhc.2001.0503
<p>Faculty or entity in charge</p>	<p>COMU</p>

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Communication	CORP2M	4		
Master [120] in Communication	COMM2M	4		
Master [60] in Information and Communication	COMM2M1	4		