



5.00 credits

22.5 h

Q1

Teacher(s)	Kieffer Suzanne ;Zen Mathieu (compensates Kieffer Suzanne) ;
Language :	French
Place of the course	Louvain-la-Neuve
Prerequisites	<i>The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.</i>
Learning outcomes	
Evaluation methods	Formative assessment based on group assignments (60% final grade) with an exam in January (40% final grade). In September (second session), individual work based on the results obtained in the first term, to be handed in on the first day of the session. All useful information about these modalities is available on moodle.
Teaching methods	Hybrid teaching combining lectures, practical work and teaching by project. Teaching will be on site or online depending on the health and mobility conditions.
Content	<ul style="list-style-type: none"> <li>• From usability to user experience</li> <li>• Research-based web usability guidelines</li> <li>• Heuristic evaluation</li> <li>• Prototyping</li> <li>• Experimentation (quantitative research method)</li> <li>• Survey (qualitative research method)</li> <li>• User interface aesthetics</li> </ul>
Inline resources	Moodle (asynchronous): course slides, bibliographical resources, calendar, templates and rubrics, exercises, tests, assignments, peer-reviewed workshops Microsoft Teams (live): calendar, meetings, documents, discussion, lecture notes Web links: explanatory videos, websites, online software
Bibliography	DONDIS, D. A. A Primer for Visual Literacy, vol. 3. The MIT Press, June 1973. GALITZ, W. O. The Essential Guide to User Interface Design : An Introduction to GUI Design Principles and Techniques. John Wiley & Sons, 2002. NGO, D. C. L., TEO, L. S., AND BYRNE, J. G. Modelling interface aesthetics. Information Sciences 152 (2003), 25–46. NIELSEN, J. Designing web usability: The practice of simplicity. New Riders Publishing, 1999. NORMAN, D. A. Emotional design: Why we love (or hate) everyday things. Basic books, 2005. REINECKE, K., AND GAJOS, K. Z. Quantifying visual preferences around the world. In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (2014), ACM, pp. 11–20. SALIMUN, C., PURCHASE, H. C., SIMMONS, D. R., AND BREWSTER, S. The effect of aesthetically pleasing composition on visual search performance. Proc. 6th Nord. Conf. Human-Computer Interact. Extending Boundaries - Nord. '10 (2010), 422 TRACTINSKY, N., A.S KATZ, AND IKAR, D. What is beautiful is usable. Interact. Comput. 13, 2 (Dec. 2000), 127–145. VANDERDONCKT, J., AND GILLO, X. Visual techniques for traditional and multimedia layouts. In Proc. Work. Adv. Vis. interfaces (1994), ACM, pp. 95–104.
Other infos	Some teaching resources are in English
Faculty or entity in charge	ESPO

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Information and Communication	COMU1BA	5	LCOMU1226 AND LCOMU1239	
Minor in numerical technologies and society	MINSTIC	5	LCOMU1239 OR LCOMU1238	
Minor in Information and Communication	MINCOMU	5		