




5 credits

30.0 h

Q2

Teacher(s)	Kieffer Suzanne ;
Language :	French
Place of the course	Louvain-la-Neuve
Aims	<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>
Evaluation methods	1 st session: group/team work <ul style="list-style-type: none"> • Design and prototyping of a visualization 50% • Production of knowledge video 30% • Presentation and comment of a research paper 20% 2 nd session: individual oral exam
Teaching methods	<ul style="list-style-type: none"> • Lectures and oral presentations • Analysis/presentation of scientific papers • Presentation/pitch of group work
Content	<ul style="list-style-type: none"> • Perception • Design principles • Dashboards (do's and don'ts) • Representations (visualization techniques) • Multimodal interaction • Case studies
Bibliography	Bateman, S. et al. "Useful junk?: the effects of visual embellishment on comprehension and memorability of charts." Proc. CHI 2010. Bertin, J. "Semiology of graphics: diagrams, network, maps." (1983) Heer, J., Bostock, M., and Ogievetsky, V. "A survey of powerful visualization techniques, from the obvious to the obscure." Communications of the ACM, June 2010, Vol. 53, No. 6, pp. 59-67. Segel, E. and Heer, J. Narrative Visualization: Telling Stories with Data. Proc. InfoVis 2010. Shneiderman, B. "The Eyes Have It: A Task by Data Type Taxonomy for Information Visualizations." Proc. Symposium on Visual Languages, 1996, pp. 336-343. Spence, R. "Information visualization: Design for interaction". (2007). Tufte, E. "The visual display of quantitative information", 2nd edition. Graphics Press. (2001). Wertheimer, M. "A brief introduction to gestalt, identifying key theories and principles." Psychol Forsch 4 (1923):301-350.
Faculty or entity in charge	COMU

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Communication	CORP2M	5		
Master [120] in Information and Communication Science and Technology	STIC2M	5		
Master [120] in Information and Communication	COMU2M	5		
Master [60] in Information and Communication	COMU2M1	5		