

## Interface Design IAD 3230

Timeline	Topics / Activities	Quiz/Assignment
Week 1	<ul style="list-style-type: none"> <li>• <a href="#">Intro to Usability</a></li> <li>• <a href="#">3 Goals of UX Design</a></li> <li>• Review Usability Goals lecture notes (PDF)</li> </ul>	Assignment 1 (Due: Week 3)
Week 2	<ul style="list-style-type: none"> <li>• User Diversity (Chapter 4) PDF</li> <li>• Universal Usability lecture notes (PDF)</li> </ul>	
Week 3	<ul style="list-style-type: none"> <li>• <a href="#">User Interface Design Guidelines</a> (Heuristics) by Nielsen and Molich (1990)</li> <li>• <a href="#">Shneiderman's Eight Golden Rules</a></li> <li>• Guidelines, Principles and Theories [lecture notes]</li> </ul>	Discussion forum #1
Week 4	<ul style="list-style-type: none"> <li>• Read article titled "Evaluating an accessible web interface for older adults – the impact of mild cognitive impairment" by Haesner et al. (2015) PDF and respond to the questions on D2L discussion forum.</li> </ul>	Assignment 2 (Due: Week 6)
Week 5	<ul style="list-style-type: none"> <li>• <a href="#">Emotional Design Video</a></li> <li>• Read the essay "<a href="#">Attractive Things Work Better</a>" by Don A. Norman</li> <li>• Read the article "Three levels of emotion processing" by Don Norman (PDF)</li> <li>• ** Further readings** see page 7</li> </ul>	Quiz#1
Week 6	<ul style="list-style-type: none"> <li>• Read article "Antecedents of Emotional Experiences in Interactive Context" (Mahlke &amp; Thuring, 2007) [PDF]</li> <li>• Discussion of Components of User Experience Model (Mahlke, 2008) [PDF]</li> </ul>	
Week 7	<ul style="list-style-type: none"> <li>• Read article "Multi-components of emotions in human-technology-interaction" (Mahlke &amp; Minge, 2008)</li> <li>• Read article "Aesthetics and symbolic qualities as antecedents of overall judgements of interactive products" (Mahlke, 2006)</li> </ul>	Assignment 3 (Due: Week 10)
Week 8	<ul style="list-style-type: none"> <li>• UX Terms and definition lecture notes [PDF]</li> <li>• Insights of the <a href="#">definition of UX</a> from contemporary UX experts</li> </ul>	
Week 9	<ul style="list-style-type: none"> <li>• Review the <a href="#">Apple Guidelines</a> (wearable, tablet, mobile and desktop)</li> </ul>	Quiz#2

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Week 10	<ul style="list-style-type: none"><li>• Class discussion: Review two case studies from the article <a href="#">CHI 2018 Hofstede's Cultural Dimensions</a></li><li>• Compare design cultural metrics from two countries <a href="http://www.juxtapose.labinthewild.org/">http://www.juxtapose.labinthewild.org/</a> (Chrome browser)</li></ul>	
Week 11	<ul style="list-style-type: none"><li>• Interface Design Chapter 7 - <a href="#">Designing for the medium - Navigation and wayfinding</a></li></ul>	
Week12	<ul style="list-style-type: none"><li>• Modular Interface Design of Social Robots (CHI 2013 article) [PDF}</li></ul>	Quiz#3
Week 13	<ul style="list-style-type: none"><li>• Different types of interfaces [notes]</li></ul>	Final Project
Week 14	<ul style="list-style-type: none"><li>• Review <a href="#">usability testing methods</a></li></ul>	Final Project
Week 15	<ul style="list-style-type: none"><li>• Icons at the interface by Yvonne Rogers [pdf]</li></ul>	Final Project
Week 16		Final Project (Due)

*Instructor reserves the right to change the agenda, if required*

### Additional References for further reading:

*The concept of emotional design has been integrated into various research studies on user interface design:*

- Desmet, P. M. A., & Hekkert, P. (2007). Framework of Product Experience. *International Journal of Design*, 1(1), 13-23.
- Norman, D. A. (2004). *Emotional design: Why we love (or hate) everyday things*. New York: Basic Books.
- Agarwal, A. & Meyer, A. (2009). Beyond usability: evaluating emotional response as an integral part of the user experience. In CHI EA'09 proceedings extended abstract on Human Factors in computing systems, pp. 2919–2930.
- Ethier, J., Hadaya, P., Talbot, J., & Cadieux, J. (2008). Interface design and emotions experienced on B2C websites: empirical Testing of a research model. *Computers in Human Behavior*, 24 (6), pp. 2771–2791
- Silvennoinen, J.M., & Jokinen, P.P. (2016). Appraisals of salient visual elements in web page design. *Advances in Human-Computer Interaction*, volume 2016, Article ID 3676704.



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