



UNIVERSITÀ DI PAVIA

Anno Accademico 2020/2021

HUMAN COMPUTER INTERACTION	
Anno immatricolazione	2020/2021
Anno offerta	2020/2021
Normativa	DM270
SSD	ING-INF/05 (SISTEMI DI ELABORAZIONE DELLE INFORMAZIONI)
Dipartimento	DIPARTIMENTO DI INGEGNERIA INDUSTRIALE E DELL'INFORMAZIONE
Corso di studio	COMPUTER ENGINEERING
Curriculum	Computer Science and Multimedia
Anno di corso	1°
Periodo didattico	Secondo Semestre (08/03/2021 - 14/06/2021)
Crediti	6
Ore	45 ore di attività frontale
Lingua insegnamento	English
Tipo esame	SCRITTO E ORALE CONGIUNTI
Docente	MOSCONI MAURO (titolare) - 6 CFU
Prerequisiti	None
Obiettivi formativi	Human-computer interaction is a discipline concerned with the design, evaluation and implementation of interactive computing systems for human use and with the study of major phenomena surrounding them. This course includes both theoretical material and practical approaches to designing user interfaces. In the lectures, the two will be combined.
Programma e contenuti	Introduction to HCI The human Input-output channels, human memory, thinking: reasoning and problem solving Accessibility techniques

	<p>The interaction Models of interaction, ergonomics, interaction styles, elements of the WIMP-interface, interactivity</p> <p>Paradigms for interaction</p> <p>Interaction design basics The process of design, user focus, navigation design, screen design and layout</p> <p>Usability engineering</p> <p>Design rules Usability principles, guidelines, standards, design patterns</p> <p>Evaluation techniques, through expert analysis and through user participation</p>
Metodi didattici	<p>Lectures (hours/year in lecture theatre): 45 Practical class (hours/year in lecture theatre): 0 Practicals / Workshops (hours/year in lecture theatre): 0</p>
Testi di riferimento	<p>Textbook: "Human-Computer Interaction" (3rd Edition). Prentice Hall. By A. Dix, J. E. Finlay, G. D. Abowd and R. Beale. ISBN: 0130461091 ISBN-13: 9780130461094</p>
Modalità verifica apprendimento	<p>Written exam (english italian) at the end off the course: short "open" questions. Attending 75% of lessons: optional project (adds 1-3 points) Optional ten-minutes powerpoint presentations during the lessons (1 point)</p>
Altre informazioni	<p>Written exam (english italian) at the end off the course: short "open" questions. Attending 75% of lessons: optional project (adds 1-3 points) Optional ten-minutes powerpoint presentations during the lessons (1 point)</p>
Obiettivi Agenda 2030 per lo sviluppo sostenibile	<p>\$lbl legenda sviluppo sostenibile</p>