Anno Accademico 2021/2022

HUMAN COMPUTER INTERACTION	
Anno immatricolazione	2021/2022
Anno offerta	2021/2022
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	Embedded and Control Systems
Anno di corso	1°
Periodo didattico	Secondo Semestre (07/03/2022 - 17/06/2022)
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

The interaction
Models of interaction, ergonomics, interaction styles, elements of the WIMP-interface, interactivity

Paradigms for interaction

Interaction design basics
The process of design, user focus, navigation design, screen design and layout

Usability engineering

Design rules
Usability priciples, guidelines, standards, design patterns

Evaluation techniques, through expert analysis and through user participation

Metodi didattici	Lectures (hours/year in lecture theatre): 45 Practical class (hours/year in lecture theatre): 0 Practicals / Workshops (hours/year in lecture theatre): 0
Testi di riferimento	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
Modalità verifica apprendimento	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)
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Obiettivi Agenda 2030 per lo sviluppo sostenibile	$lbl_legenda_sviluppo_sostenibile