



UNIVERSITÀ DI PAVIA

Anno Accademico 2018/2019

| HUMAN COMPUTER INTERACTION | |
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| Anno immatricolazione | 2018/2019 |
| Anno offerta | 2018/2019 |
| 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 (06/03/2019 - 14/06/2019) |
| 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 |

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| | <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> |
| <p>Metodi didattici</p> | <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> |
| <p>Testi di riferimento</p> | <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> |
| <p>Modalità verifica apprendimento</p> | <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> |
| <p>Altre informazioni</p> | <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> |
| <p>Obiettivi Agenda 2030 per lo sviluppo sostenibile</p> | <p>Gli obiettivi</p> |