

COURSE DESCRIPTION – ACADEMIC YEAR 2023/2024

Course title	User Research for AI
Course code	71079
Scientific sector	INF-01
Degree	PhD in Computer Science
Semester	1
Year	2024/2025
Credits	4 credits
Modular	

ŗ	
Total lecturing hours	40 hours Introduction: 3 hours, Seminar 1: Epistemology and Theory 8 hours Seminar 2: Qualitative Research 12 hours Seminar 3: Quantitative Research 11 hours Seminar 4 Ethics 6 hours
Attendance	The course will be delivered in presence, with no remote connection available. Attendance of at least 75% of the lecture hours is a compulsory.
Prerequisites	This course is open to all PhD students at the University of Bolzano upon selection of the lecturers based on an expression of interest. Students are expected to have a general knowledge of Human Computer Interaction, as provided by an introductory MSc module or a handbook. Recommended reading: Interaction Design: Beyond Human-Computer Interaction by Rogers, Sharp and Preece (2023) 6 th Edition.
Specific educational	The course introduces the foundations of user research from a Human-Computer Interaction (HCI) perspective when the object of study is Artificial Intelligence. The learning objectives includes academics knowledge and practical skills. After attending the course, reading related work, and engaging in the formative exercises proposed in the seminars, students will learn how to plan and conduct valid and rigorous research when interactive systems are agents who directly affect user's behavior, decision making, and experiences alongside societal politics.
objectives	The course provides an overview of 1. Epistemology and Theories in user research (seminar 1) 2. Qualitative research methods (seminar 2) 3. Quantitative research methods (seminar 3) 4. Integrity and ethics in user research (seminar 4) and operational guidelines on 1. How to conduct valid, trustworthy, and ethical research? 2. How to translate this knowledge in design choices? 3. How to evaluate design quality?

Lecturer(s)	Prof. Antonella De Angeli and Dr. Maria Menendez-Blanco
Contact	Antonella.deangeli@unibz.it maria.menendezblanco@unibz.it



Fakultät für Ingenieurwesen unibz Facoltà di Ingegneria Faculty of Engineering

Scientific sector of lecturer(s)	INF01
Teaching language	English
Office hours	Arrange beforehand by email.
Lecturing Assistant (if any)	
Contact LA	
List of topics	 Epistemology and Theories in user research (seminar 1) Qualitative research methods (seminar 2) Quantitative research methods (seminar 3) Integrity and ethics in user research (seminar 4)
Teaching format	Frontal lectures, interactive workshops, project-based learning, students presentations and peer review. Students are expected to participate actively by providing examples from their research topics, including theories and data.

Assessment	The students will write a proposal for a user study including literature, procedure and expected results (4 page ACM format).
Assessment language	English
Assessment Typology	Monocratic and peer review
Evaluation criteria and criteria for awarding marks	The course is Pass or Fail.



Required readings	Required reading will be communicated to the students before each seminar according to their research interests. Further reading will be identified based on
Supplementary readings	will be provided during the course
Software used	N/A