

Course code: IFI7506.DT	Current Topics in Human-Computer Interaction		
ECTS credits: 4 (ECTS)	Amount of Sessions: 7 sessions	Teaching semester: Spring 2025	Assessment form: Examination.
Course objectives:	<p>This course aims to provide students with tools to explore a socio-technical approach to security, privacy, and trust.</p> <p>It uses a socio-technical model to understand different factors which influence trust and discusses its implications. The course also involves studying various theories in the field. Finally, it provides a set of tools to help students further reflect on the dynamic nature of trusting technology.</p>		
Brief description of course content: (including the description of the independent work)	<p>Throughout the course you will learn and explore multiple theories and components of Trusting technology and its implications for security and privacy.</p> <p>It uses theoretical and empirical examples to emphasize their importance in designing and developing interactive digital systems.</p> <p>The course outline includes three main parts:</p> <ol style="list-style-type: none"> 1) Foundations - How academic disciplines view Trust 2) Research - Significant findings in the study of Trust in HCI. 3) Applications - Actionable insights for practice from a Human-Computer Interaction perspective. 		
Learning Outcomes:	<p>Learning Outcomes: At the end of the course the student will be able to:</p> <ul style="list-style-type: none"> ● situate how humans relate to trust in computing, digital transformation, and its relation with topics such as AI, security, ethics, and privacy. ● explain the multiple components of the Human-Computer Trust model. ● Foresee diverse theories associated with measuring trust in technology. 		
Assessment Methods:	<p>Examination.</p> <p>Weight of different activities in final grade:</p> <p>The grading criteria:</p> <ul style="list-style-type: none"> ● Participation in the activities (5%) ● Reading assignments (25%) 		

	<ul style="list-style-type: none"> • Readings discussion (25%) • User research (30%) • Present and report the findings (15%) <p>Required total score to pass the course is 60%</p>
Teacher(s):	Sónia Sousa and Gabriela Beltrão
Prerequisite subject(s):	There is no required literature in the sense of a physical book. A list of reading materials will be assigned by the teachers and provided in the course's online learning environment.
Compulsory Literature:	To be discussed with the teacher.
Replacement Literature:	Students are required to participate in 70% out of the foreseen activities, to synchronously defend the work done at the end of the semester (Session 7: 07/05-21/05), and be graded 60% or more.
Participation and Exam and Independent work requirements:	<p>Expected 3 group work activities.</p> <p>Expected 6 individual activities: 3 readings and 3 discussions</p> <p>Expected synchronous activities: 4 synchronous mentoring meetings for feedback + 1 synchronous overall reflection presentation</p>
Grading criteria scale or the minimum level necessary for passing the subject:	<p>Grading criteria:</p> <p>A: Indicates superior achievement 90-100% of the work is done Excellent: outstanding work with only a few minor errors.</p> <p>B: Very Good performance 80-90% of the work is done Very good: above-average work but with some minor errors.</p> <p>C: Good performance 70-80% of the work is done Good: generally good work with a number of notable errors</p> <p>D: Adequate performance 60-70% of the work is done Satisfactory: reasonable work but with significant shortcomings.</p> <p>E: Minimal performance 50-60% of the work is done Sufficient: passable performance meeting the minimum criteria.</p> <p>F: Failure - less than 50% of the work is done Fail: more work is required before the credit can be awarded.</p>

Course content:

The course's structure is spread over 7 sessions (14 days apart). The course consists of the following modules:

	Date	Course content by topic
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Session 1	05/02-18/02	Introduction: How academic disciplines view Trust
HW	Reading 1	<ul style="list-style-type: none"> • Read the pedagogical script • See the lecture video • individual reading 1: How academic disciplines view Trust in technology
Session 2	19/02-04/03	Foundations: Trust in HCI & AI
HW	Discussion 1 + Synchronous meeting 1	<ul style="list-style-type: none"> • Individual discussion 1: What is the role of Trust in HCI and computing? • Synchronous mentoring meeting 1 (Feedback on Reading 1 + Discussion 1)
Session 3	05/03-18/03	Research: Trust foundations and Research
HW	Reading 2 + Individual discussion 2	<ul style="list-style-type: none"> • individual reading 2: Measuring trust behaviors • Individual discussion 2: How to measure Trust in Technology? • Form the group's
Session 4	19/03-01/04	User research: Measuring Trusting behaviors
HW	Discussion 3 + group work 1 + Synchronous mentoring 1	<ul style="list-style-type: none"> • Individual discussion 3: How to measure trust in HCI? Trust psychometric scales • Group 1 – design the study + draft the protocol <p><i>Mentoring session 1 for groups (Feedback on Reading 2 + user research protocol)</i></p>
Session 5	02/04-15/04	User research: Measuring Trusting behaviors
HW	group work 2 + Synchronous mentoring 2	<ul style="list-style-type: none"> • Group 2 – design the study + data collection <p><i>Mentoring session 2 for groups (Design the study)</i></p>
Reflection week	03/04-09/04	-
Session 6	23/04-06/05	Data collection: Actionable insights of Trust in technology from an Interaction design perspective

HW	Reading 3 + group work 3 + Synchronous mentoring 3	Individual reading 3: Data analysis, report <ul style="list-style-type: none"> Group 3 - Draft report <i>Synchronous mentoring meeting 3</i>
Session 7	07/05-20/05	Overall reflection and evaluation (synchronous session)
HW	Final assessment and reflections	Presentations and report the findings !!! (synchronous session) (required to be online) !!!

Instructor: Sónia Sousa, sonia.sousa@idmaster.eu

Teaching support: Gabriela Beltrão gabriela@idmaster.eu

Contact Details: All email communication regarding this course should be sent to Gabriela Beltrão (cc'ing sonia.sousa@idmaster.eu). If needed special online “office hours” will be set up for the group and individual mentoring and those will be conducted through Google Hangouts.