

| Subject code: IFI7159 | Subject name: Foundations of Human-Computer Interaction | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|--|----------------------------------|--------------------------------|--|-----------------------|------------------|----|----|---|----|----|-----|----|----|-----|----|----|-----|----|----|-----|----|----|-----|----|----|-----|----|----|----|-------|-----|-----|
| Study load: 5 (EAP/ECTS) | Load of contact hours: 28 | Study semester: Spring | Assessment/Exam Exam | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Objectives: | The goal is to introduce the body of knowledge of Human-Computer Interaction (HCI) to students. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Course outline: | <p>The course addresses:</p> <ul style="list-style-type: none"> • An introduction to HCI covering the field's genesis and evolution • Contemporary trends • Cognitive modelling • Distributed cognition • Situated action, ethnography and ethnomethodology, CSCW related theories and frameworks, activity, grounded and hybrid theories • Turn to Design and Culture; • Turn to the wild, and Embodiment. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Learning Outcomes: | <p>Students are aware of the genesis and evolution of the field of HCI as well as its contemporary trends.</p> <p>Students grasp the theoretical foundations at play in HCI.</p> <p>Students are able to situate theory in practice.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Assessment Methods: | <p>The final quotation is computed based on intermediary assignments on topics as such:</p> <table border="1" data-bbox="555 1160 1453 1581"> <thead> <tr> <th></th> <th>Individual assignment</th> <th>Group assignment</th> </tr> </thead> <tbody> <tr> <td>M0</td> <td>5%</td> <td>-</td> </tr> <tr> <td>M1</td> <td>5%</td> <td>10%</td> </tr> <tr> <td>M2</td> <td>5%</td> <td>10%</td> </tr> <tr> <td>M3</td> <td>5%</td> <td>10%</td> </tr> <tr> <td>M4</td> <td>5%</td> <td>10%</td> </tr> <tr> <td>M5</td> <td>5%</td> <td>10%</td> </tr> <tr> <td>M6</td> <td>5%</td> <td>10%</td> </tr> <tr> <td>M7</td> <td>2%</td> <td>3%</td> </tr> <tr> <td>Total</td> <td>37%</td> <td>63%</td> </tr> </tbody> </table> <p>All assignments are compulsory and will be marked as either achieved or not achieved.</p> | | | | Individual assignment | Group assignment | M0 | 5% | - | M1 | 5% | 10% | M2 | 5% | 10% | M3 | 5% | 10% | M4 | 5% | 10% | M5 | 5% | 10% | M6 | 5% | 10% | M7 | 2% | 3% | Total | 37% | 63% |
| | Individual assignment | Group assignment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M0 | 5% | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 5% | 10% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | 5% | 10% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M3 | 5% | 10% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M4 | 5% | 10% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M5 | 5% | 10% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M6 | 5% | 10% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M7 | 2% | 3% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 37% | 63% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Teacher(s): | David Lamas Hanna-Liisa Pender | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subject name in Estonian: | Inimese ja arvuti interaktsiooni alused | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prerequisite subject(s): | None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Compulsory Literature: | Rogers, Y. (2012). HCI theory: classical, modern, and contemporary. <i>Synthesis Lectures on Human-Centered Informatics</i> , 5(2), 1-129. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Replacement Literature: | Jacko, J. A. (2012). <i>Human-Computer Interaction Handbook: Fundamentals, Evolving Technologies, and Emerging Applications</i> . | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| <p>Participation and Exam requirements:</p> | <p>This course is delivered mainly face-to-face but will have an introductory online session. Activities are organized in bi-weekly modules, each focusing on specific topics.</p> <p>In order to successfully conclude this course, students are required to individually:</p> <ul style="list-style-type: none"> • Take part in all face-to-face and online activities; • Actively engage and deliver the results of 7 individual assignments; and • Actively engage and deliver the results of 7 group assignments. <p>Link to course blog: IF17159updated.wordpress.com</p> | |
| <p>Independent work:</p> | <p>All individual assignments as carried out as independent work.</p> | |
| <p>Grading criteria scale or the minimal level necessary for passing the subject:</p> | <p>Grading criteria:</p> <ul style="list-style-type: none"> • A, 90-100% • B, 80-90% • C, 70-80% • D, 60-70% • E, 50-60%. • F, less than 50% <p>The number of achieved assignments determines percentages.</p> | |
| <p>Information about the course:</p> | <p>Date and time</p> | <p>Form of study and course content by topic</p> |
| | <p>September 4</p> | <p>Genesis and evolution of HCI</p> |
| | <p>September 5</p> | <p>Genesis and evolution of HCI</p> |
| | <p>September 18 (online)</p> | <p>Contemporary trends (discussion)</p> |
| | <p>September 19 (online)</p> | <p>Contemporary trends (group work)</p> |
| | <p>October 2 (online)</p> | <p>Cognitive modelling (discussion)</p> |
| | <p>October 3 (online)</p> | <p>Cognitive modelling (group work)</p> |
| | <p>October 16</p> | <p>Distributed cognition (discussion)</p> |
| | <p>October 17</p> | <p>Distributed cognition (group work)</p> |
| | <p>October 31</p> | <p>Situated action, ethnography and ethnomethodology, CSCW related theories and frameworks, activity, grounded and hybrid theories (discussion)</p> |
| | <p>November 1</p> | <p>Situated action, ethnography and ethnomethodology, CSCW related theories and frameworks, activity, grounded and hybrid theories (group work)</p> |
| | <p>November 13</p> | <p>Turn to Design and Culture (discussion)</p> |
| | <p>November 14</p> | <p>Turn to Design and Culture (group work)</p> |
| | <p>November 27</p> | <p>Turn to the wild, and Embodiment (discussion)</p> |
| | <p>November 28</p> | <p>Turn to the wild, and Embodiment (group work)</p> |
| | <p>December 11</p> | <p>HCI revisited (discussion)</p> |
| | <p>December 12</p> | <p>HCI revisited (discussion)</p> |