

## User Interface Design

<b>Course Title:</b> User Interface Design					
<b>Course Code:</b> CIE61013	<b>Student Workload:</b> 8.50 Hours/ Weeks	<b>Credits:</b> 3 Credits (4.50 ECTS)	<b>Semester:</b> 3 <sup>rd</sup> Semester	<b>Frequency:</b> Odd Semester	<b>Duration:</b> 16 Weeks/ Semester ( <i>Lecture and practical work:</i> 14 weeks; <i>Midterm assessment:</i> 1 week; <i>Final assessment:</i> 1 week)
<b>1</b>	<b>Types of Courses:</b> Content Knowledge Course	<b>Contact Hours:</b> <i>Lecturing:</i> 1.67 Hours/ Week; <i>Practical Work:</i> 2.83 Hours/ Week	<b>Independent Study:</b> <i>Self-study:</i> 2.00 Hours/ Week; <i>Structured Assignment:</i> 2.00 Hours/ Week	<b>Class Size:</b> 40 Students	
<b>2</b>	<b>Prerequisites for Participation</b> (If Applicable): -				
<b>3</b>	<b>Learning Outcomes:</b> <ol style="list-style-type: none"> <li>M1: Apply theoretical concepts related to user interface design in prototype design to support problem-solving (ILO-3) (0,2)</li> <li>M2: Develop a front-end for information system requirements from a case study (ILO-6) (0,3)</li> <li>M3: Master the knowledge and ability to develop the front-end by utilizing the latest technology to support problem-solving (ILO-8) (0,3)</li> <li>M4: Develop creativity in user interface design and development to produce innovative solutions (ILO-10) (0,1)</li> <li>M5: Design solutions in groups that apply design rules and principles appropriate to the context of the problem (ILO-12) (0,1)</li> </ol>				
<b>4</b>	<b>Subject aims/Content:</b> At the end of the course, students are expected: <ol style="list-style-type: none"> <li>L1: Able to understand the principles and elements of visual design (M1)</li> <li>L2: Able to perform needs analysis based on Design Life Cycle rules (M2)</li> <li>L3: Able to understand the concept and process of making prototypes (M3)</li> <li>L4: Able to make prototypes based on storyboards (M4)</li> <li>L5: Able to present responsive (web front-end) solution design projects (mobile, tablet, and desktop platforms) (M5)</li> </ol>				
<b>5</b>	<b>Teaching Methods:</b> Lecturing, Group Discussion, Case-Based Learning, Project-Based Learning				
<b>6</b>	<b>Assessment Methods:</b> Essay, performance test, anecdotal record/logbook, case assessment, project assessment				
<b>7</b>	<b>This Course is Used in The Following Study Programme/s as Well:</b> -				
<b>8</b>	<b>Responsibility for Course:</b> Retno Indah Rokhmawati, S.Pd., M.Pd. Hannifah Muslimah Az-Zahra, S.Sn., M.Ds.				
<b>9</b>	<b>Other Information:</b> Bibliography: <ol style="list-style-type: none"> <li>Boulton, Mark. 2009. A Practical Guide to Designing for the Web. Mark Boulton Design</li> <li>Jason Beard, James George. 2014. The Principles of Beautiful Web Design: 3rd Edition. SitePoint</li> <li>Duckett, Jon. 2011. HTML And CSS: Design And Build Websites. John Wiley &amp; Sons</li> <li>Duckett, Jon. 2011. Javascript And JQuery: Interactive Front-End Web Development. John Wiley &amp; Sons</li> </ol>				