

## **ETCCCP course – Part: Project Working**

Created: Monday 25<sup>th</sup> August 2016

<b>Date</b>	<b>Objectives and plan</b>
<b>WEEK 1</b> Calendar week 35  Tuesday 30 <sup>th</sup> August 12:15-16:00 (room 417E) (4 hours)	<b>Introduction</b> <ul style="list-style-type: none"> <li>• Presentation</li> <li>• Intro to Project Based Learning (PBL) and the collaborative learning environment at ASE</li> <li>• Individual exercise (Europe map)</li> <li>• Creation of Project Groups</li> <li>• Sharing experiences with project work - setting goals for the semester</li> <li>• Teamwork exercise (The Desert Game)</li> </ul> Literature: Compendium for ETCCCP (CLP) p. 1.1-1-2
<b>WEEK 2</b> Calendar week 36  Tuesday 6 <sup>st</sup> September 12:15-16:00 (room 417E) (4 hours)	<b>Lecture 1+2 Group Qualities and Teamwork</b> <ul style="list-style-type: none"> <li>• The potential (and challenges) of team work</li> <li>• Teamwork Exercise (Circle-Square Game) + (AC - Agreement of Cooperation)</li> <li>• Team-roles, self-awareness and cooperation</li> <li>• Introduction to Team Role Model</li> <li>• Usage of the Team Role Model in identifying personal and team strengths and weaknesses. How to use this knowledge proactively in a team.</li> <li>• Teamwork exercise (Team Role Test)</li> <li>• Teamwork exercise (Improvement of AC - Agreement of Cooperation)</li> </ul> Literature: Compendium for ETCCCP (CLP) p. 1.1-1-2, 2.1-2.13  Delivery of AC Friday 9 <sup>th</sup> September 23:59:59

<p>WEEK 3</p> <p>Calendar week 37</p> <p>Tuesday 13<sup>th</sup> September 12:15-16:00 (room 417E) (4 hours)</p>	<p>Lecture 3 - Project planning and management</p> <ul style="list-style-type: none"> <li>• Agreeing on a goal – requirements specification</li> <li>• Iterative development</li> <li>• Breaking the system down</li> <li>• Gantt Chart</li> </ul> <p>Project: Pre-Analysis Project: Use Case based Requirement Specification Project: Accept Test Specification</p> <p>Literature: Previous ITIPRJ project examples (car, drone), Danish bachelor project example (drone)</p>
<p>WEEK 4</p> <p>Calendar week 38</p> <p>Tuesday 20<sup>th</sup> September 12:15-16:00 (room 417E) (4 hours)</p>	<p>Lecture 4 - Effective meetings</p> <ul style="list-style-type: none"> <li>• Types of meetings</li> <li>• Meeting roles</li> <li>• Minutes of Meeting</li> <li>• Exercise (Meeting)</li> </ul> <p>Lecture 5 - The supervisor</p> <ul style="list-style-type: none"> <li>• Teaching vs. supervision</li> <li>• Types of supervision</li> <li>• What can go wrong between supervisor and the group</li> <li>• Different expectations – alignment</li> <li>• Exercise (Group-Supervisor Agreement of Cooperation (GS-AC))</li> </ul> <p>Lecture 6 - Making presentations</p> <ul style="list-style-type: none"> <li>• Planning the presentation</li> <li>• KISS (<u>K</u> <u>e</u> <u>e</u> <u>p</u> <u>I</u> <u>t</u> <u>S</u> <u>i</u> <u>m</u> <u>p</u> <u>l</u> <u>e</u> <u>S</u> <u>t</u> <u>u</u> <u>p</u> <u>i</u> <u>d</u>)</li> <li>• Body language in communication</li> <li>• Exercise - oral presentations (preparation)</li> </ul> <p>Midway evaluation of the course</p>

<p><b>WEEK 5</b> Calendar week 39</p> <p>Tuesday 27<sup>th</sup> September 12:15-16:00 (room 417E) (4 hours)</p>	<p>Project: System Architecture (SysML: Hardware Architecture)</p> <p>Literature: Previous ITIPRJ project examples (car, drone), Danish bachelor project example (drone)</p> <p>Lecture 6 - Making presentations (continued)</p> <ul style="list-style-type: none"> <li>• Oral presentations (12 students)</li> </ul>
<p><b>WEEK 6</b> Calendar week 40</p> <p>Tuesday 4<sup>th</sup> October 12:15-16:00 (room 417E) (4 hours)</p>	<p>Lecture 7 – Cooperation and conflict management</p> <ul style="list-style-type: none"> <li>• How to become better at targeting conflicts in the team and how to improve the performance and the climate in the group</li> </ul> <p>Exercise (Conflict Management)</p> <p>Project: System Architecture (UML: Software Architecture, Application Model, N+1 View)</p> <p>Literature: Documenting_Architecture_-_UML_and_the_N+1_View_Model.pdf</p> <p>Literature: Previous ITIPRJ project examples (car, drone), Danish bachelor project example (drone)</p> <p>Lecture 6 - Making presentations (continued)</p> <ul style="list-style-type: none"> <li>• Oral presentations (7 students)</li> </ul>
<p><b>WEEK 7</b> Calendar week 41</p> <p>Tuesday 11<sup>th</sup> October 12:15-16:00 (room 417E) (4 hours)</p>	<p>Project: HW/SW Architecture and Design, Implementation and Test</p> <p>Literature: HW_SW_Architecture_and_Design_(Overview).pdf Previous ITIPRJ project examples (car, drone), Danish bachelor project example (drone)</p> <p>Lecture 8 - Structuring the technical report</p> <ul style="list-style-type: none"> <li>• Requirements to the project report structure</li> <li>• How to get more out of the writing process</li> <li>• QA and cooperation in the writing process</li> <li>• Exercise (Technical Report)</li> </ul> <p>Literature: Previous ITIPRJ project examples (car, drone), Danish bachelor project example (drone)</p> <p><b>Final evaluation of the course</b></p>