

MODULE		PRJ4	Project 4											
SEMESTER		4	CREDITS (ECTS)		10	VALID AS OF	19-02-2024							
LECTURES / WEEK		2	PRACTICAL HOURS / WEEK		varying	TOTAL EFFORT	280 hrs							
AUTHORS		R.van den Ham, G. Chaaya												
CREDENTIALS														
INTRODUCTION AND MOTIVATION														
<p>Students in semester 4 choose their track, being a track in Business Informatics, Software Engineering, Data Science/AI, Embedded Systems or (future) Cyber Security. Within this project, students will apply knowledge and skills gained in the chosen (parallel) elective modules.</p> <p>Students are encouraged to do a project for or in interest of external stakeholders. However, they will also be allowed to work on their own project idea, or (fallback scenario) on a case that is provided by the lecturers.</p> <p>The development of Professional Skills is strongly integrated in this project. After finishing this project, students should be well-prepared to find, plan, execute and present / defend a business project and therefore this project is intended to be a good preparation for the internship and graduation projects.</p> <p>The first part of the project will focus on setting up and fine-tuning a project idea and on creating a project plan. In parallel, the student will be prepared on finding a proper internship position. In the second part, the project will be executed and the results will be presented. The available time to work on this project will increase over time during the project.</p>														
LEARNING OUTCOMES: THE STUDENT ...							BLOOM LEVEL							
LO 1	plans and executes a project in their track at level 2 of the HBO-i framework regarding autonomy and complexity, in an agile way						Create							
LO 2	demonstrates professional skills at level 2 in the focus areas: future-oriented organization, investigative ability, personal leadership, and targeted interaction.						Apply							
CONTRIBUTION TO FINAL COMPETENCE PROFILE (SEE OER)														
Learning Outcome	Architectural Layers (enter "X")					Activities (enter levels "1" .. "3", once per LO)					Professional Skills (enter "X")			
	User Interface	Business Processes	Infrastructure	Software	Hardware Interfacing	Manage	Analyse	Advice	Design	Realise	future-oriented organization	Investigative problem solving	Personal leadership	Targeted interaction
LO 1	*	*	*	*	*	*	*	*	*	*	2	2	2	2
LO 2											2	2	2	2
* The student should be able to act on level 2 for <i>at least two</i> activities in architectural layers relevant to their track.														
MODULE ASSESSMENT														
Learning Outcome	Type of Assessment (enter "X", at least one per LO)					Grade for (enter "X", one per LO)		Weight (in %) (adds up to 100%)						
	Written Exam	Oral Exam	Performance Assessment	Presentation incl Defense	Report	Individual	Group							

LO 1			X	X	X	X		50%
LO 2			X	X	X	X		50%
TEACHING MATERIAL								
N/A								
PRIOR KNOWLEDGE								
Foundation Informatics in semesters 1 – 3								
ADDITIONAL INFORMATION (ON GRADING, ASSESSMENTS, RETAKES, PRACTICAL PARTS, ..)								
<ul style="list-style-type: none"> <input type="checkbox"/> Define project idea that is clearly connected to the track. <input type="checkbox"/> Execute project in structured way (e.g. agile), clearly managing expectations. <input type="checkbox"/> Setup a well-structured digital project portfolio that gives insight in: <ul style="list-style-type: none"> ○ Idea ○ Business Case ○ Stakeholders and their interests ○ Approach / process documentation ○ Requirements ○ Project artefacts (e.g. business analysis, design artefacts, advisory report, etc.) ○ Decision documentation ○ Quality/Risk/Scope Management ○ Handover documentation / a look into the future / recommendations ○ Project reflection <input type="checkbox"/> Make sure that, for each student, at least two activities on any architectural layer, but with relevance to the track, are mastered on level 2 of the HBO-i framework. 								
The criteria for assessing will be derived from the internship assessment.								