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**Multidisciplinary Projects  
in an International Context**

Milestones	Date	Project Management	Communication - Intercultural	Business - Marketing	Industrial Design - Art	Engineering Design
Students involved		All	All	All	All	All
		TUAS (5)		Florida (5)	UWB (2)	UMONS (5), UWB (2)
Online Modules		Project management	Intercultural, Virtual Communication and Language			Engineering Design
Kick-off week	2-9.10 2020	Project Management introduction -Project life-cycle, phases -Project communication -Requirements for Check Points  Students' teamwork on communication planning	-Presentation of the learning objectives, content in Moodle and main theories (to be applied in the teams' project plan). -Requirements for checkpoints -Discussion on the pre-tasks. Setting learning objectives.			Presentation of Part 1 (general outline of the design process - 1,5 h - on Wednesday); Presentation of Part 2 (specs) and group activity (Wednesday PM)

Project no. 2018 - 1 - CZ01 -KA203 - 048151

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<b>Check Point 1</b>	9. 11.2020	Project initiation: - Project Charter - Stakeholder analysis - Preliminary requirements (from all the stakeholders) - Preliminary project plan	<b>Individual diary reflection</b> on a) communication and intercultural aspects in virtual teams (follow instructions in Module 1): <ul style="list-style-type: none"> <li>cultural identity</li> <li>media synchronicity MST.</li> </ul> b) on learning  Communication report with <b>team reflections</b> on communication and intercultural aspects in virtual teams: (as part of the project report!)	Stakeholders identification Market research - setting economic targets - market analysis with a focus on competitive or related products	Design study - competitive - expected	Elaboration the problem State-of-the-art (partial) (SWOT of competitive products, analysis of patents, ...) Potential innovation space Requirements specifications
	Each MUPIC Project team has to prepare and deliver: A reflective learning diary (individual assignment). One report for each of the activities to be assigned for Check Point 1. Each team should submit a file divided to sections according to the field-specific requirements described in this document. One file per each team should be uploaded to Moodle under <a href="#">Check Point 1</a> (except individual reflection diary entries under communication).					
<b>Check Point 2</b>	18.12.2020	Project plan: -Detailed plan -Work Breakdown Structure - Requirements documentation  Project progress report (intermediate report)	<b>Individual diary reflection</b> on a) communication and intercultural aspects in virtual teams. (follow instructions in Module 1): <ul style="list-style-type: none"> <li>communicative styles</li> <li>trust &amp; conflict management</li> </ul> b) on learning (instructions in the diary)  Communication report with <b>team reflections</b> on communication and intercultural aspects in virtual teams: (as part of the project report!)	Adding product requirements based on the "market" analysis (Must have – Should have – Could Have – Won't have)  PESTEL analysis (intermediate report)	Concept Draft Design Sketch Consultation of expected design Rough concept of presentation of the project  (intermediate report)	State-of-the-art (final) Conceptual Product Design (incl. conceptual alternatives, their SWOT evaluation and decision (prediction of properties and performance is an inherent introductory part of the SWOT evaluation and decision)  (intermediate report)

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	<p>Each MUPIC Project team has to prepare and deliver:</p> <p>A reflective learning diary (individual assignment). One report for each of the activities to be assigned for Check Point 2. Each team should submit a file divided to sections according to the field-specific requirements described in this document. One file per each team should be uploaded to Moodle under <a href="#">Check Point 2</a> (except individual reflection diary entries under communication).</p>					
<b>Check Point 3</b>	29.3. 2020	<p>Project progress report (intermediate report)</p> <p>Project change management documentation</p>	<p><b>Individual Diary reflection</b> on</p> <p>a) communication and intercultural aspects in virtual teams (follow instructions in Module 1):</p> <ul style="list-style-type: none"> <li>• netiquette and ethical aspects</li> <li>• communication problems</li> </ul> <p>b) on learning (instructions in the diary)</p> <p>Communication report with <b>team reflections</b> on communication and intercultural aspects in virtual teams: (as part of the project report!)</p>	<p>Cost evaluation</p> <p>Quality prediction</p>	<p>Consensus concept with construction and economic optimisation for the preliminary layout</p>	<p>Constructional Product Design "First iteration" = rough (initial) layout</p> <p>Innovation proposals based on the (suboptimal) conceptual alternative.</p> <p>SWOT evaluation of the 1<sup>st</sup> Draft proposal (update of the prediction of properties and performance)</p>
	<p>Each MUPIC Project team has to prepare and deliver:</p> <p>A reflective learning diary (individual assignment). One report for each of the activities to be assigned for Check Point 3. Each team should submit a file divided to sections according to the field-specific requirements described in this document. One file per each team should be uploaded to Moodle under <a href="#">Check Point 3</a> (except individual reflection diary entries under communication).</p>					

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<b>Final Work Submission</b>	3.5. 2020	<p>Project management:</p> <ul style="list-style-type: none"> <li>-Deliverables according to the plan</li> <li>-Project closure report</li> <li>-Lessons learned documentation</li> </ul>	<p>Evaluation of reflections/learning</p> <p>Setting new individual learning objectives.</p> <p>Communication report (as part of the final project report)</p> <p>Communication (oral and written communication) of the results in the final presentation</p> <p>English Language test after the course</p>	<p>Reflecting of benefits</p> <p>Marketing proposal, product cost prediction</p>	<p>Visualisation and final design base on the final design</p> <p>Final design study</p>	<p>“Second iteration” = definitive (dimensional) layout: global drawing of the system, with nomenclature (bill of materials)</p> <p>+ additional drawings relative to the Detail Product Design (defining original parts you designed, assemblies, ...)</p> <p>Completed design project documentation (technical report including SWOT evaluation of the alternatives, description of the proposed design, dimensioning of machine parts, description of assemblies, CAD models and drawings)</p> <p>Project presentation</p>

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