

### DESCRIPTION OF A STUDY COURSE – SYLLABUS

Title of a course		Final Thesis				
Head of course						
Study programme		Professional undergraduate study Telematics				
Status of a course		Obligatory				
Year of study		3.	Semester	VI	ECTS credits	17
Teaching plan (L + E + S+ Pr)		Consultations in consultation with the mentor in accordance with the Final Rule Book.				
Goals of a course						
To enable students to develop deeper knowledge, understanding, abilities and attitudes in the context of the study program, and to develop the ability to integrate knowledge and present conclusions.						
Conditions for enrolling course						
All professional examinations passed and professional practice completed. Extended commitments to the library. Extended borrowed telematics lab equipment.						
Learning outcomes on a level of a study programme which includes course						
Outcome 4: Use computer principles and methods related to the architecture and organization of computers and computer networks.						
Outcome 5: Use computer principles and methods related to programming languages, databases, and operating systems.						
Outcome 6: Design and implement desktop, web and mobile computer applications and computer programs for microcomputers and microcontrollers, with or without a database.						
Outcome 7: Describe the development and implementation of communications systems, switching systems, and local and broadband networks.						
Outcome 8: Design and implement communications and computer networks, as well as network services.						
Outcome 9: Explain the basic methods of automatic system control and apply them to telematics systems.						
Outcome 10: Analyse and implement an information system in the field of telematics.						
Outcome 11: Design and develop solutions for components, circuits and software for application in signal processing and telecommunications, with the preparation of supporting project documentation.						
Outcome 12: Design and develop solutions for components, circuits and software for application in computer networks and information systems, with the preparation of supporting project documentation.						
Outcome 13: Design and develop solutions for components, circuits and software for application in regulation systems and production processes, with the preparation of supporting project documentation.						
Outcome 14: Apply methods of organizing business systems and marketing of products and services in the context of entrepreneurship in telematics.						
Outcome 15: Participate in teamwork and independently present professional content in written and spoken form in Croatian and English.						
Expected learning outcomes on a level of a course						
1. Define and solve a professional problem						
2. Apply professional paper writing methodology						
3. Apply the acquired knowledge and competences acquired through professional study						
4. Apply acquired knowledge and specific competences from the associated course						
5. Adhere to ethical principles and rules for citing literature						
6. Present research results						
Content of a course						
Final thesis represents individual work and assessment of a candidate`s competence which needs to prove certain level of ability required for the independent solving of a particular professional assignment. The content of the final thesis is based upon the use of the specific competence derived from the content of the course. It can be set only as part of a particular professional course. The topic of the final thesis is chosen by a student in the VI term. It is set by the teacher mentor who will guide the student in the process of writing the final thesis. The length of the final thesis regarded as the candidate`s individual work is set up within the 225 hours workframe.						

<b>Teaching modes</b>	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> auditory exercises <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> distance learning <input type="checkbox"/> field classes	<input checked="" type="checkbox"/> individual assignments <input type="checkbox"/> multimedia and network <input type="checkbox"/> laboratory <input type="checkbox"/> supervisor's work <input type="checkbox"/> other _____																																				
<b>Comments</b>																																						
<b>Students' obligations</b>																																						
<b>Grading, evaluation and monitoring of students' work continuously during lectures and exams</b>																																						
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<p>The elements of the follow-up and description of the associated rating are listed below:</p> <p>Written part of the final paper</p> <p>Excellent (5) - work is logically well structured, factually accurate, subdivisions are linked, relevant and recent literature has been used.</p> <p>Very good (4) - The work is well structured, facts are presented, the literature is properly processed, but the approach lacks creativity.</p> <p>Good (3) - Only some of the relevant aspects of the topic are presented in the paper;</p> <p>Sufficient (2) - there are some shortcomings in the paper, the basic concepts are superficially explained and there is no deeper knowledge of the topic.</p> <p>Public defense of the thesis</p> <p>Excellent (5) - the presentation is clear and highly informative, the answers to the questions are accurate and creative.</p> <p>Very good (4) - the presentation is clear and substantive, the answers to the questions are only correct, they do not indicate a deeper reflection on the topic.</p> <p>Good (3) - The presentation is clear and informative, but without a clear link between theory and practice. Ability to answer simple questions only.</p> <p>Sufficient (2) - Presentation is a retelling of a read text, answers to questions are scarce.</p>																																						
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<b>Additional literature</b>																																						
<ol style="list-style-type: none"> <li>Final Thesis Rulebook</li> <li>Literature related to the subject of the final paper</li> </ol>																																						



