

## FACULTY OF ENGINEERING STUDY COURSE DESCRIPTION

<b>Course Title:</b>	<b>Windows operating system</b>				
<b>Course code (LAIS):</b>					
<b>Study programme:</b>	<b>Information technologies</b>				
<b>Level of Study programme:</b>	<input type="checkbox"/>	1st level professional higher education			
	<input checked="" type="checkbox"/>	Professional Bachelor			
	<input type="checkbox"/>	Professional Master			
	<input type="checkbox"/>	Academic Master			
	<input type="checkbox"/>	PhD level			
<b>Type of Study programme:</b>	<input type="checkbox"/>	Compulsory course (Part A)			
	<input checked="" type="checkbox"/>	Professional specialization courses (Part B, compulsory)			
	<input type="checkbox"/>	Professional specialization optional courses (Part B, optional)			
	<input type="checkbox"/>	Elective courses (Part C)			
<b>Course Workload:</b>	<b>Credits</b>	<b>ECTS</b>	<b>Academic hours</b>	<b>Contact hours</b>	<b>Independent work hours</b>
<b>Full time</b>	2	3	80	32	48
<b>Part time</b>	2	3	80	10	70
<b>Course Author/ Tutor:</b>	<b>Toms Amsons</b>				
	Guest lecturer, Mg.sc.comp.				
	<a href="mailto:toms.amsons@va.lv">toms.amsons@va.lv</a>				
	Consultation: according to the schedule for each semester				
<b>Study Form:</b>	Full time studies/ Part time studies				
<b>Study year, semester:</b>	1.,2. Semester				
<b>Language:</b>	Latvian/English				
<b>Prerequisites for the Course:</b>	-				
<b>Course Summary:</b>	The aim of the study course is to acquire theoretical and practical knowledge about the windows operating system.				
	During the course, students will gain knowledge on how to create a windows 10 installation, how to install a windows 10 operating system. Information about windows functionality, security, privacy policies, as well as skills in using the command panel.				
	Students will be given practical skills in operating system installation, configuration, and problem situation analysis.				
<b>Assessment:</b>	Exam				
<b>Requirements for Credits:</b>	Students must submit completed homework, practical work and an exam to pass the course.				
	The course mark consists of three parts: 1. Submission of practical work papers - makes up 20% of the final grade. 2. Evaluation of the test paper - makes up 20% of the final evaluation. 3. Participation in the seminar - makes up 20% of the final evaluation 4. Exam evaluation - makes up 40% of the final evaluation.				
	Submitted works will be evaluated in a 10-point system, taking into account the following criteria: excellent (10) - knowledge, skills and competence exceed the knowledge to be acquired during the course; excellent (9) - knowledge, skills and competence fully correspond to the knowledge to be acquired during the course; very good (8) - the requirements of the task are fully fulfilled, however, in some nuances of its execution there is not a deep enough understanding;				

	<p>good (7) - the requirements of the task are generally met, however, sometimes there is an inability to use the acquired knowledge in accordance with the given task;  almost good (6) - the requirements of the task have been fulfilled, however, at the same time insufficiently deep understanding of the task and inability to use the acquired knowledge can be established;  average (5) - the requirements of the task have been fulfilled, however, insufficient knowledge of some skills in the performance of the task and inability to use the acquired knowledge have been established;  almost mediocre (4) - poorly fulfilled task requirements, however, insufficient understanding of basic concepts is observed, there are significant difficulties in the practical application of the acquired knowledge;  weak (3) - knowledge is superficial and incomplete, the student is not able to use it in performing a specific task;  very weak (2) - has superficial knowledge only about certain problems, most of the requirements of the task have not been mastered;  very, very weak (1) - no understanding of the basic problems of the task, almost no knowledge of the topics covered in the course.</p>																												
<p><b>Abiding by the Academic Ethics</b></p>	<p>Students must abide by the academic and research ethics, Vidzeme University of Applied Sciences Ethics Regulations, incl.:</p> <ul style="list-style-type: none"> <li>– study papers must be independently developed;</li> <li>– the study work should reference all statements, ideas and data used that have been authored by someone else;</li> <li>– appropriate data acquisition methods should be used in the acquisition of data, the research ethics must be respected, empirical data must be collected independently and cannot be distorted or falsified;</li> <li>– the examination must be carried out by the student independently, without the use of supporting materials and/or consultations with other students, unless the lecturer states otherwise.</li> </ul> <p>In the event of non-compliance with the academic and research ethics, punishment is imposed in accordance with the ViA Ethics Regulations and the study course must be re-taken, unless the punishment is extramarital.</p>																												
<p><b>Learning Outcomes; the evaluation methods and criteria</b></p>	<table border="1"> <thead> <tr> <th data-bbox="550 1299 1029 1332"><b>Learning Outcomes</b></th> <th data-bbox="1029 1299 1444 1332"><b>The evaluation methods and criteria</b></th> </tr> </thead> <tbody> <tr> <td colspan="2" data-bbox="550 1332 1444 1355"><b>Knowledge</b></td> </tr> <tr> <td data-bbox="550 1355 1029 1456">The knowledge required to perform the basic tasks of professional activity at the level of representation</td> <td data-bbox="1029 1355 1444 1456">Works submitted by practical classes and homework.</td> </tr> <tr> <td data-bbox="550 1456 1029 1523">Knowledge about operating system basic functionality</td> <td data-bbox="1029 1456 1444 1523">Works submitted by practical classes and homework.</td> </tr> <tr> <td data-bbox="550 1523 1029 1590">Operating system installation</td> <td data-bbox="1029 1523 1444 1590">Works submitted by practical classes and homework.</td> </tr> <tr> <td data-bbox="550 1590 1029 1657">Operating system configuration</td> <td data-bbox="1029 1590 1444 1657">Works submitted by practical classes and homework.</td> </tr> <tr> <td data-bbox="550 1657 1029 1713">Operating system problem diagnosing</td> <td data-bbox="1029 1657 1444 1713">Works submitted by practical classes and homework.</td> </tr> <tr> <td colspan="2" data-bbox="550 1713 1444 1736"><b>Skills</b></td> </tr> <tr> <td data-bbox="550 1736 1029 1803">Choose adequate tools to solve tasks.</td> <td data-bbox="1029 1736 1444 1803">Works submitted by practical classes and homework.</td> </tr> <tr> <td data-bbox="550 1803 1029 1870">Configure workspace and tools</td> <td data-bbox="1029 1803 1444 1870">Works submitted by practical classes and homework.</td> </tr> <tr> <td data-bbox="550 1870 1029 1937">Do the work independently.</td> <td data-bbox="1029 1870 1444 1937">Works submitted by practical classes and homework.</td> </tr> <tr> <td data-bbox="550 1937 1029 2004">Use information search and selection tools</td> <td data-bbox="1029 1937 1444 2004">Works submitted by practical classes and homework.</td> </tr> <tr> <td colspan="2" data-bbox="550 2004 1444 2027"><b>Competency</b></td> </tr> <tr> <td data-bbox="550 2027 1029 2096">Ability to design by analysing various technical solutions and choosing the most</td> <td data-bbox="1029 2027 1444 2096">Works submitted by practical classes and homework.</td> </tr> </tbody> </table>	<b>Learning Outcomes</b>	<b>The evaluation methods and criteria</b>	<b>Knowledge</b>		The knowledge required to perform the basic tasks of professional activity at the level of representation	Works submitted by practical classes and homework.	Knowledge about operating system basic functionality	Works submitted by practical classes and homework.	Operating system installation	Works submitted by practical classes and homework.	Operating system configuration	Works submitted by practical classes and homework.	Operating system problem diagnosing	Works submitted by practical classes and homework.	<b>Skills</b>		Choose adequate tools to solve tasks.	Works submitted by practical classes and homework.	Configure workspace and tools	Works submitted by practical classes and homework.	Do the work independently.	Works submitted by practical classes and homework.	Use information search and selection tools	Works submitted by practical classes and homework.	<b>Competency</b>		Ability to design by analysing various technical solutions and choosing the most	Works submitted by practical classes and homework.
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	Ability to specify requirements by analysing the possibilities of requirements implementation	Works submitted by practical classes and homework.
	Ability to understand and apply basic algorithms	Works submitted by practical classes and homework.
<b>Course Compulsory literature:</b>	1. Woody Leonhard, Windows 10 All-In-One for Dummies, 2015, 1154p 2. David Pogue, Windows 10 the missing manual, 2019, 1417	
<b>Course additional literature:</b>	-	
<b>Course confirmation date:</b>		
<b>Date of course description update:</b>		

### Study Course Plan for Full Time Students:

Date	Theme	Academic hours		Study Form/ Organization of independent work of students and task description
		Contact hours	Independent work hours	
<i>The date is specified before the implementation of the course</i>	Introductory Lecture	2	2	Lecture
	How to install windows operating system and drivers	2	3	Lecture
	Windows 10 functions	2	3	Lecture
	Windows settings	2	3	Lecture
	Control panel	2	3	Lecture
	Windows Management	2	3	Lecture
	User management and group policies	2	3	Lecture
	Windows security	2	3	Lecture
	Command prompt and power shell	2	3	Lecture
	Registers and services	2	3	Lecture
	Remote management and networking	2	3	Lecture
	Seminar	2	3	Seminar
	Seminar	2	3	Seminar
	Introduction for practical work	2	3	Lecture
	Installing Windows operating system	2	3	Practical work
	Exam	2	3	Exam
	<b>Hours total:</b>	<b>32</b>	<b>48</b>	

### Study Course Plan for Part Time Students:

Date	Theme	Academic hours		Study Form/ Organization of independent work of students and task description
		Contact hours	Independent work hours	
<i>The date is specified before the implementation of</i>	Introduction course, How to install windows and drivers, Windows 10 functions	2	15	Lecture



<i>the course</i>				
	Windows settings, control panel, windows management, user management and group policies, windows security	2	15	Lecture
	Command prompt and power shell, registers and services, remote management and networking	2	15	Lecture
	Installing windows operating system	2	15	Lecture
	Exam	2	15	Exam
	<b>Hours total:</b>	<b>10</b>	<b>70</b>	