

Óbuda University John von Neumann Faculty of Informatics			Institute of Software Engineering		
Name and code: Parallel Programming (Exam) (NIXPEREMNE)				Credits: 5	
Computer Science MSc			Daytime 2020/21 year II. semester		
Subject lecturers: Dr. Gábor Kertész, Dr. habil. Miklós Kozlovsky					
Prerequisites: (with code)					
Weekly hours:		Lecture: 0	Seminar: 0	Lab. hours: 0	Consultation: 0
Way of assessment:		Examination			
Course description					
Goal: The aim of the lecture is to deepen the knowledge of the students, regarding the design methods and questions for parallel computational systems, and the required programming skills.					
Course description: Students will learn, and obtain practical techniques used in parallel programming, such as thread handling, communication between threads, and synchronization. The lecture will give an additional overview on different programming variants of distributed systems.					

Lecture schedule												
Education week	Topic											
Midterm requirements												
Midterm Test Scheduling												
Education week	Topic											
Midterm grade calculation methods												
Method of replacement												
Type of exam												
Written.												
Exam grade calculation methods												
The final exam is used to calculate the final grade.												
<table><tr><td>0-49%</td><td>failed (1)</td></tr><tr><td>50-62%</td><td>satisfactory (2)</td></tr><tr><td>63-74%</td><td>average (3)</td></tr><tr><td>75-86%</td><td>good (4)</td></tr><tr><td>87-100%</td><td>excellent (5)</td></tr></table>			0-49%	failed (1)	50-62%	satisfactory (2)	63-74%	average (3)	75-86%	good (4)	87-100%	excellent (5)
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87-100%	excellent (5)											
References												
Obligatory:												
Lecture materials, presentations												
Recommended:												
Ananth Grama, Anshul Gupta, George Karypis, Vipin Kumar: Introduction to Parallel Computing, Addison Wesley, 2003												
Mattson, Sanders, Massingill: Patterns for Parallel Programming, Pearson, 2005												
Clay Breshears: The Art of Concurrency, O'Reilly, 2009												
Others:												
University Moodle System: https://elearning.uni-obuda.hu/main/												