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 I. semester*

Subject lecturers: Dr. Gábor Kertész, Dr. habil. Miklós Kozlovszky				
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.

0-49%	failed (1)
50-62%	satisfactory (2)
63-74%	average (3)
75-86%	good (4)
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/