

Lecture 0: org meeting syllabus, contacts

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<https://github.com/Svazars/parallel-programming/blob/main/slides/pdf/intro.pdf>

One stop page

- Slides/tasks in English, homeworks/discussion in Russian
- Course overview
 - <https://github.com/Svazars/parallel-programming/blob/main/docs/course-overview/overview.pdf>
- Scoring rules
 - <https://github.com/Svazars/parallel-programming/blob/main/docs/hw/hw.pdf>
- Course page
 - <https://nsu-syspro.github.io/courses/parallel>
- Deadlines
 - to be published on the go in the google tables

Course overview

Three blocks:

- Practical concurrency (writing concurrent code, debugging multi-threaded software)
- Foundations of concurrency (hierarchy of concurrent operations, consistency, progress conditions, h/w cache coherence)
- Advanced topics (+ invited lectures)

Question time

Question: Who will be the guest lecturer?



Deadlines

Will be strict (no pass – no go).

You should start doing homeworks from the very first lecture.

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Homework, mail

Task 0.1 Email to filatovaur@gmail.com, Subject "Group, Name, ProblemNum" (e.g. "11111, Иванов, 0.1"), content "мой никнейм в телеграм группе @?????"

Scoring rules

Practical assignments:

- <https://github.com/Svazars/parallel-programming/tree/main/hw>
- Available grades: 2, 3, 4, 5, 6

Oral exam:

- TO BE UPDATED <https://github.com/Svazars/parallel-programming/blob/main/docs/test/questions.pdf>
- Available grades: -3, -1, 0, +1

Per-block grades:

- Block 1: $\min(\text{practice} + \text{oral exam}, 5)$
- Block 2: $\min(\text{practice} + \text{oral exam}, 5)$
- Block 3: $\min(\text{practice} + \text{oral exam}, 5)$

Final grade: $\text{round_nearest_integer}(\text{average}(b1, b2, b3))$

Course materials

- "The Art of Multiprocessor Programming" by M. Herlihy & N. Shavit
- "Is Parallel Programming Hard, And, If So, What Can You Do About It?" by Paul E. McKenney
- "Java Concurrency in Practice" by Brian Goetz et al.