Parallel Programming Course. Administrative questions.

Nesterov Alexander, Obolenskiy Arseniy

Nizhny Novgorod State University

October 30, 2025

Today

Introduction

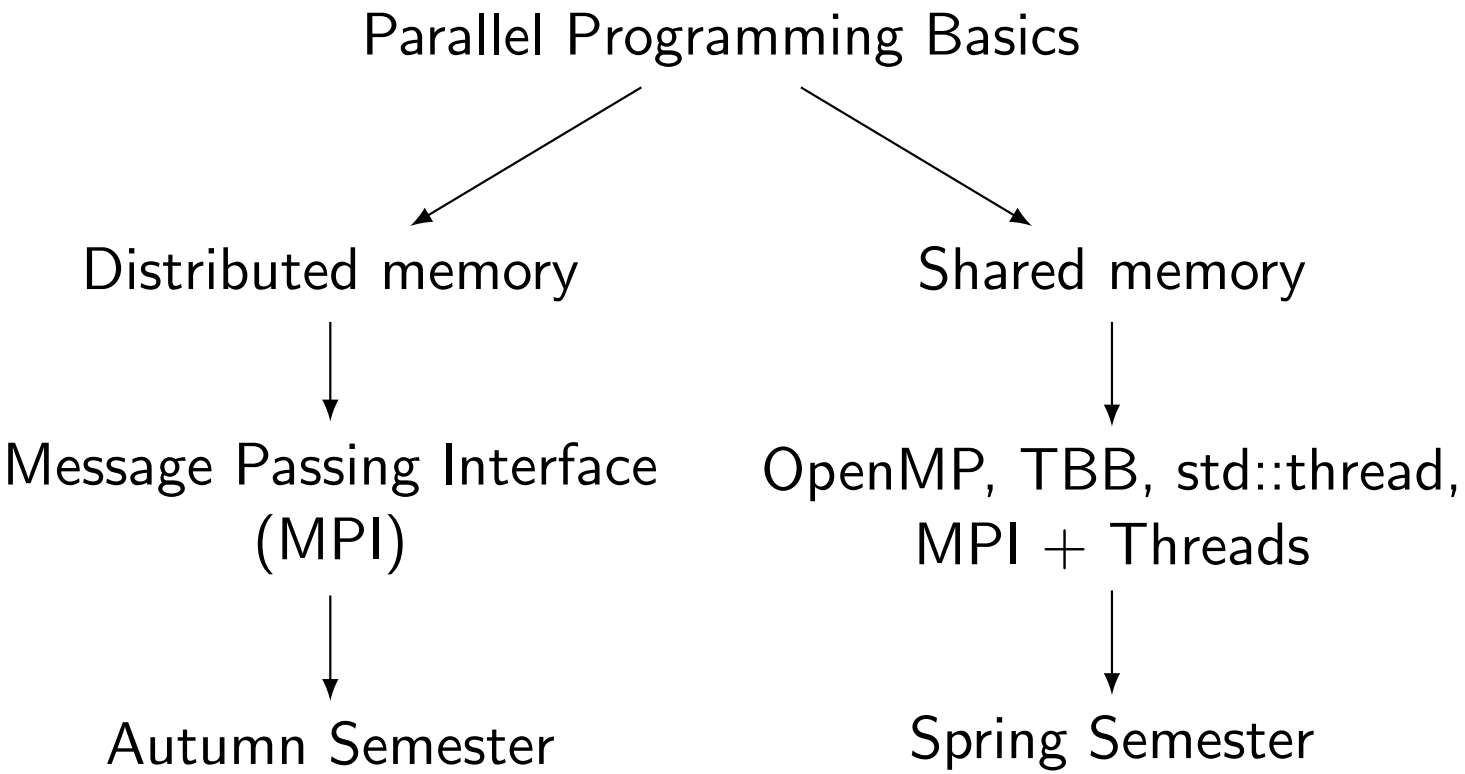
Introduction

Parallel Programming Course
Contacts:

- Nesterov Alexander
  E-mail: nesterov.alexander@outlook.com
- Obolenskiy Arseniy
  E-mail: me@gooddoog.ru

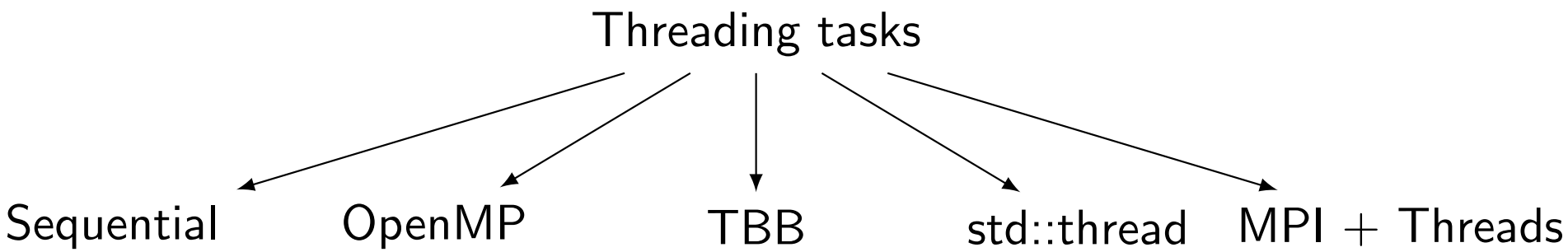
Structure of overall course

Structure of overall course



Structure of the current semester

Structure of the current semester

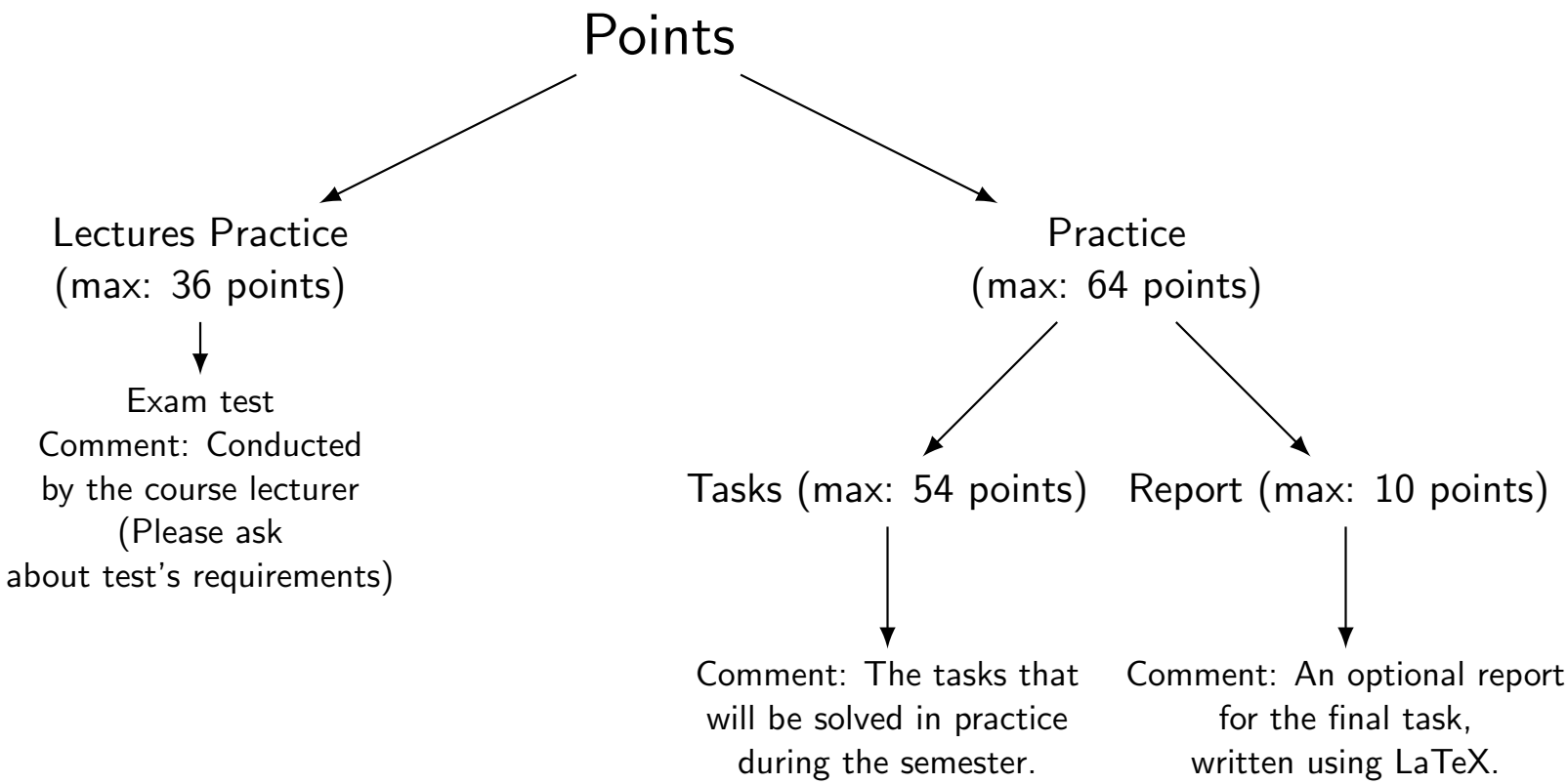


Practice details

Practice details

- Practice format: Online
- Random distribution of task variations
- Deadlines for each task
- Work organization in a single repository for all groups
- Self-review by students (2 students)
- Full automation of quality and performance checks
- Optional reporting (written)
- Points-based grading system
- Plagiarism check of submitted tasks
- Main communication channel: Telegram (only channels), e-mail, GitHub Issues

Points distribution



Tasks points distribution (max: 54 points)

Sequential tasks: 4

- Solution implementation: 4

OpenMP tasks: 9

- Solution implementation: 6
- Performance: 3

TBB tasks: 9

- Solution implementation: 6
- Performance: 3

std::thread tasks: 14

- Solution implementation: 8
- Performance: 6

"MPI + threads" tasks: 18

- Solution implementation: 10
- Performance: 8

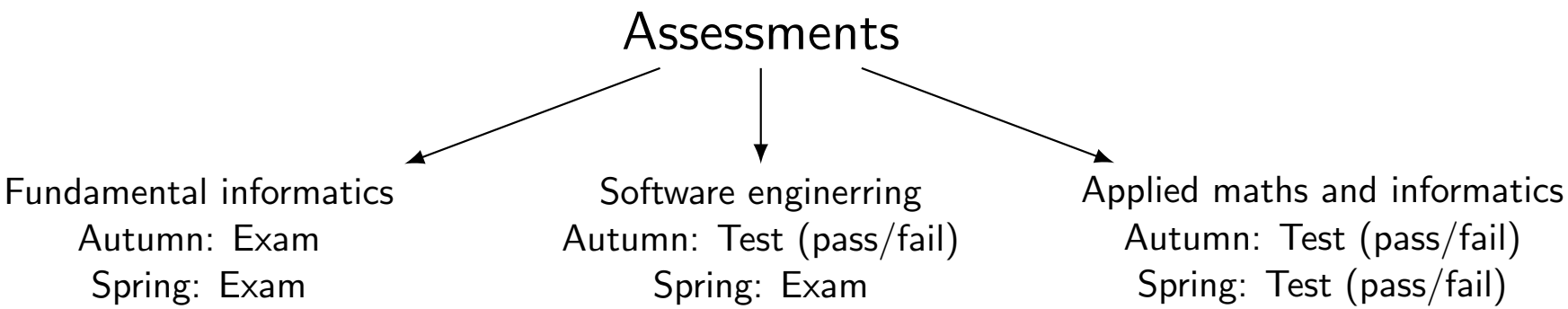
Report (max: 10 points)

Report: 10

- The presence of the required items in the report format: 5
- Text quality and formatting: 5

Administrative questions

Assessments schedule



Mark criterias

- 5.5 (superb) - 99-100 points
- 5 (excellent) - 92-98 points
- 4.5 (very good) - 82-91 points
- 4 (good) - 70-81 points
- 3 (satisfactory or pass) - 50-69 points
- below - fail

What will be covered in the next practice?

Next steps

- Practice 1 (OpenMP)
- Practice 2 (TBB)
- Practice 3 (std::thread)

Q&A section

Q&A

Any questions?

Thank You!