Parallel Programming course. Handshake lesson

Obolenskiy Arseniy, Nesterov Alexander

Nizhny Novgorod State University

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Today

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2. Structure of overall course
3. Structure of the current semester
4. Practice details
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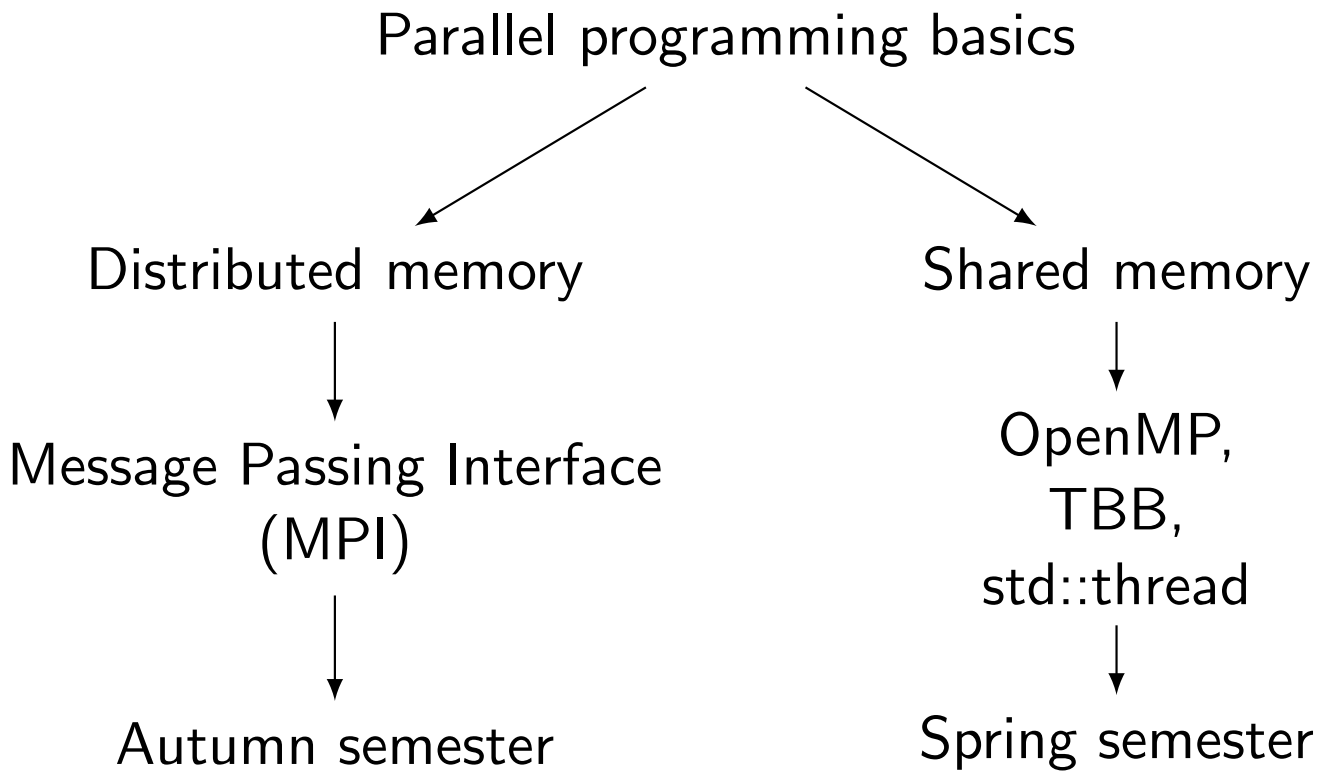
Introduction

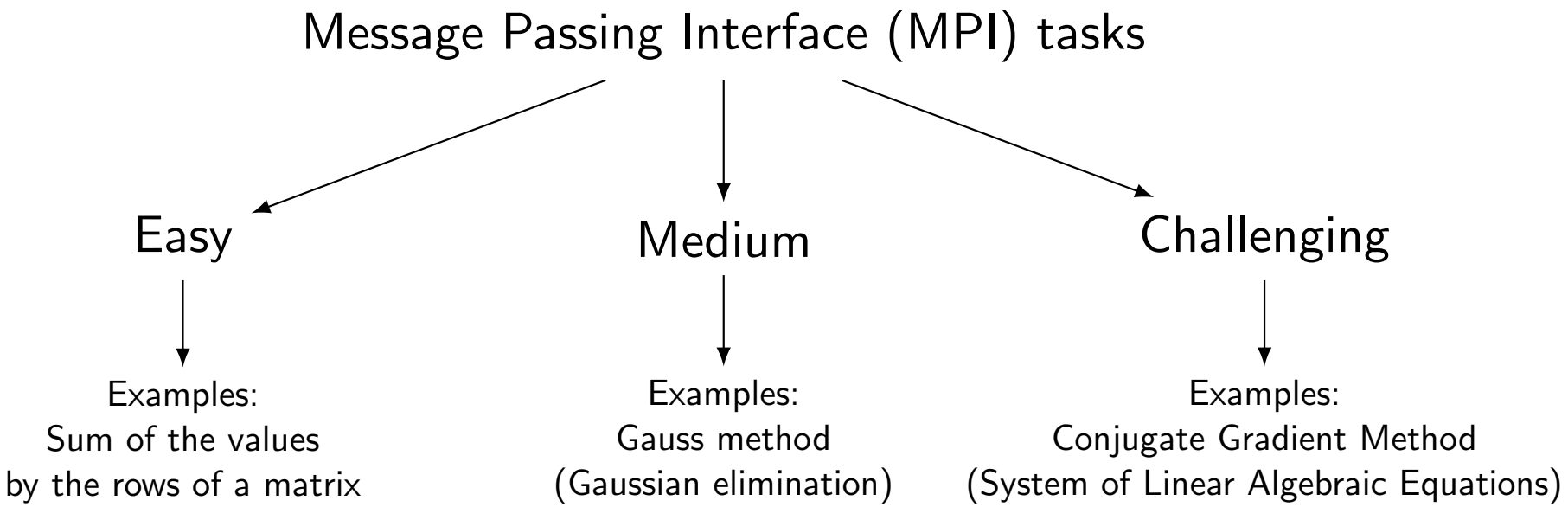
Parallel Programming Course
Contacts:

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

Structure of overall course



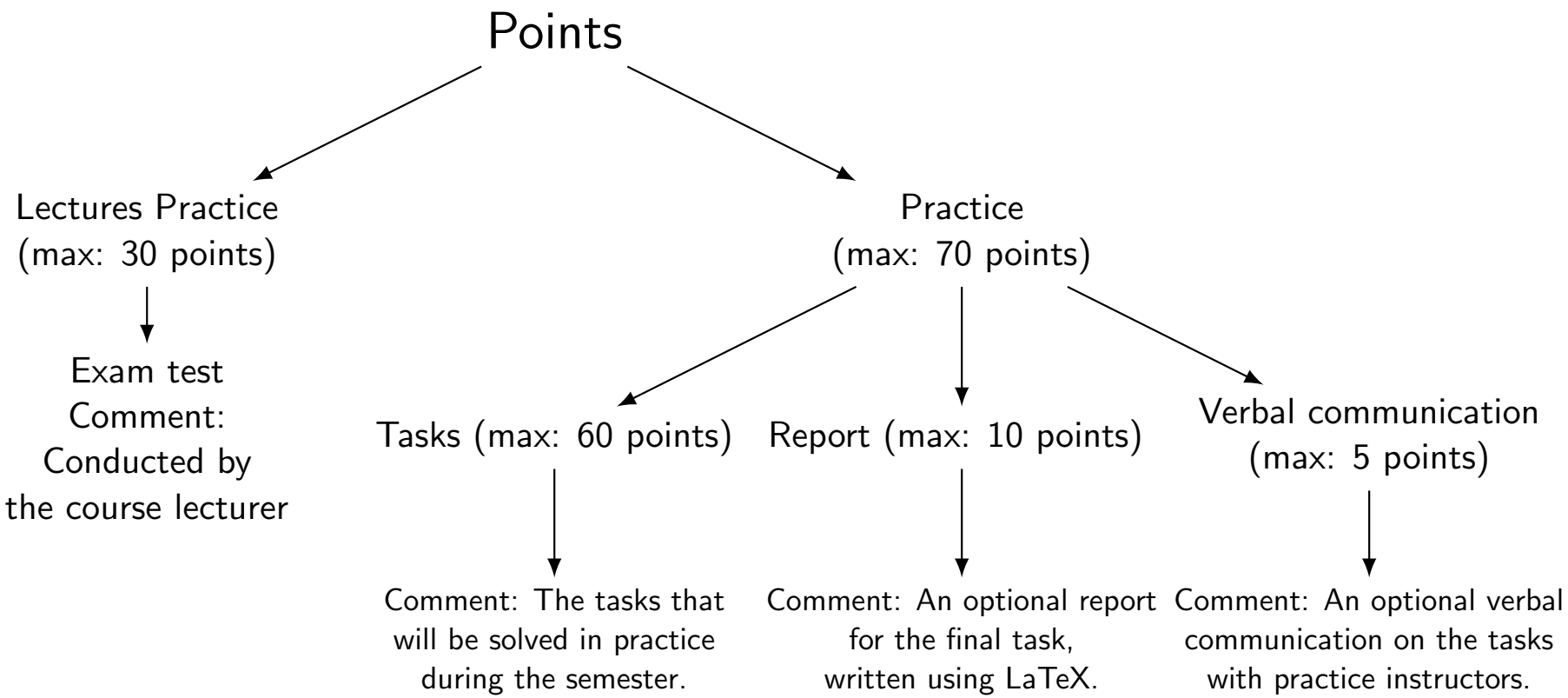
Structure of the current semester



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
- Full automation of quality and performance checks
- Optional reporting (written + spoken)
- Points-based grading system
- Plagiarism check of submitted tasks
- Main communication channel: Telegram

Points distribution



Tasks points distribution (max: 60 points)

Easy tasks: 10

- Solution implementation: 5
- Tests passed: 5

Medium tasks: 20

- Solution implementation: 15
- Performance: 5

Challenging tasks: 30

- Solution implementation: 20
- Performance: 10

Report and verbal communication (max: 15 points)

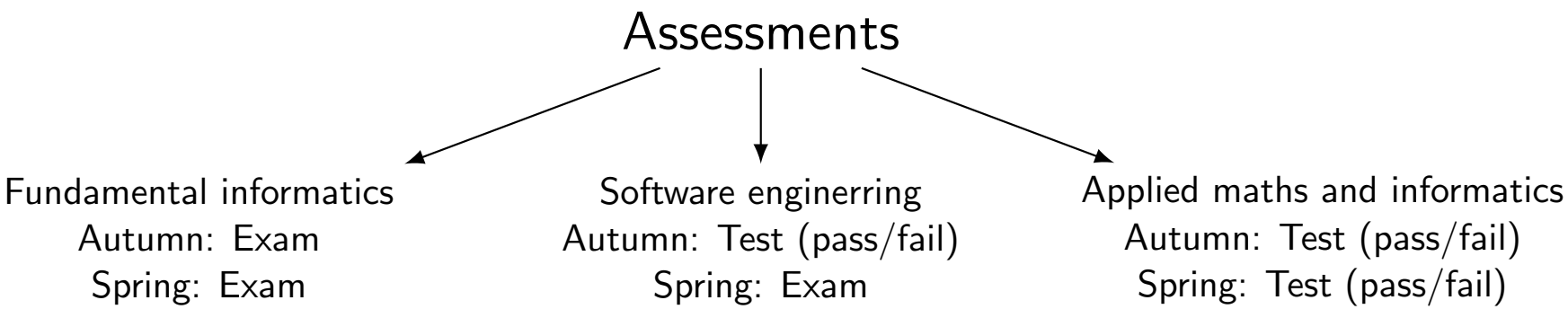
Report: 10

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

Verbal communication: 5

- The completeness of the response: 5

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

Next steps

Practice 1 (intro)

- Tasks distribution
- A brief technical talk on parallelism
- Examples of MPI programs

Practice 2 (repo usage)

- Technical description of the repository and its checks
- Examples of project structure

Next practices (TBD)

Q&A

Any questions?

Thank You!