

C++ OOP

Course Introduction



SoftUni

SoftUni Team
Technical Trainers



Software University

<https://softuni.bg>

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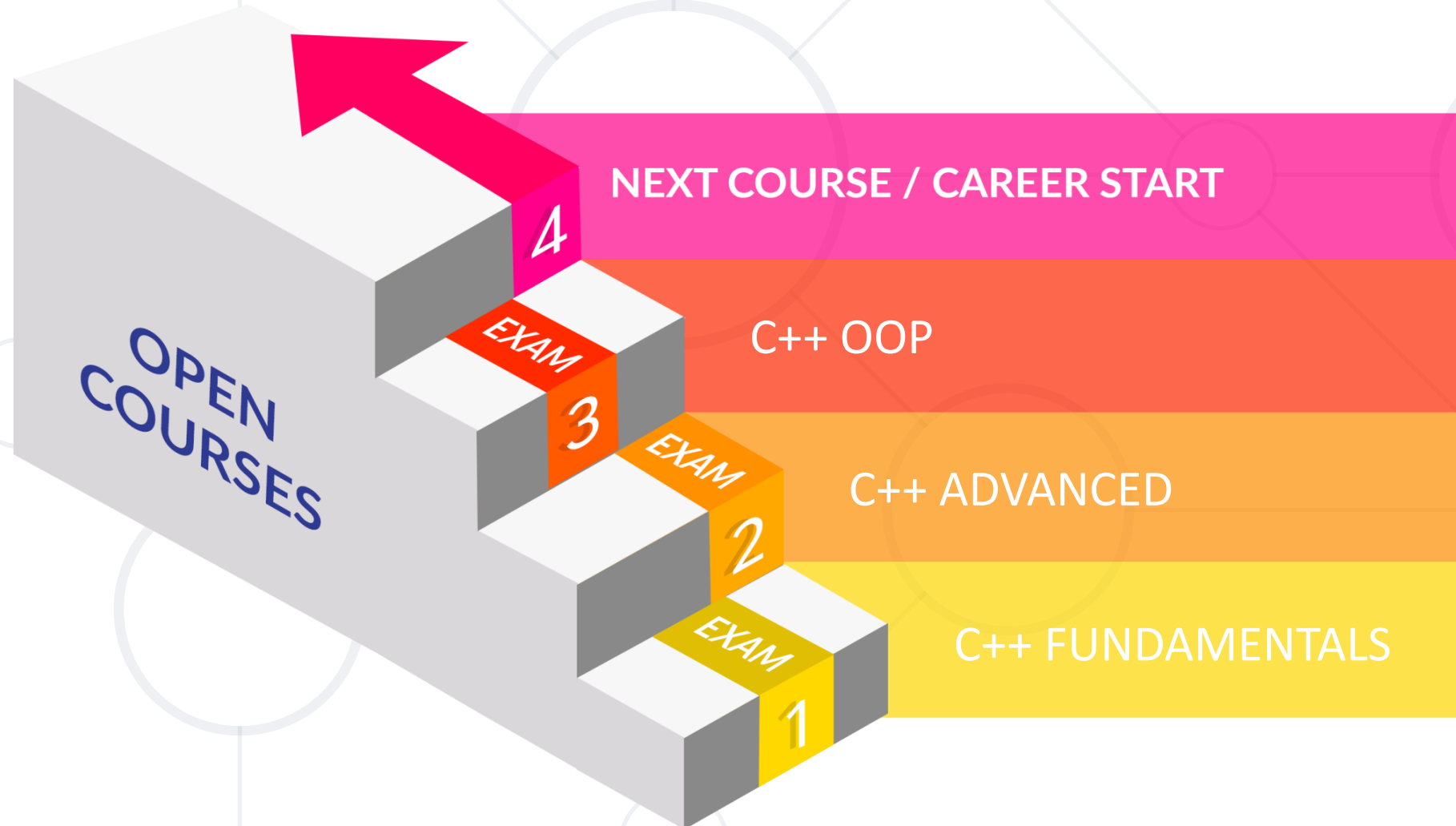
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sli.do

#cpp-oop





Course Objectives and Scope

C++ OOP - The Curriculum (1)

1. **Objects and Classes**
2. Objects and Classes - Exercise
3. **Objects and Classes Advanced**
4. Objects and Classes Advanced - Exercise
5. **OOP Constructors**
6. OOP Constructors - Exercise
7. **Code Organisation and Templates**
8. **Rule of 3/5/0**



C++ OOP - The Curriculum (2)

1. Rule of 3/5/0 - Exercise
- 2. Inheritance**
3. Inheritance - Exercise
- 4. Polymorphism**
5. Polymorphism - Exercise
- 6. Abstract Classes**
7. Abstract Classes - Exercise
8. Exam Preparation





Homework

Homework

- Exercises

- End Date: one day before Regular Exam Date

- September 3rd, 2022, 23:59

- Submitted through <https://judge.softuni.bg/> platform

- Do your homework when it's due

- Assignments pile up quickly





Exam

Practical Exam

- **3 Tasks** to be solved in **4 hours**
 - The exam will cover all topics
- Automatically evaluated by the **Judge system**
- Support in sli.do during the exam



Theoretical Exam

- You will have **30 minutes** once you enter
 - Multiple-choice with **1 or more** correct answers
 - English
- Automated quiz system
- Available during the **practical** exam and **30 minutes after it**
 - You can submit your answers just **one time**
 - You can navigate through the questions
 - Advice: Start it when you **finish** the **practical exam**





Course Organization

C++ OOP Course Timeline

05-July-2022

04-September-2022

11-September-2022

C++ OOP

**8 weeks * 2 times/week
9 credits**

Start: 05-July-2022

Theoretical Exam: 04-September-2022

Practical Exam: 04-September-2022

Theoretical Exam Retake: 11-September-2022

Practical Exam Retake: 11-September-2022







Training Team

- Manages the engineering organization of Pliant.io
- More than 15 years of experience as a C++ developer
- Over 10 years as a team leader responsible for developing comprehensive applications



- The course assignments require searching **in Internet**
 - This is an important part of the learning process
 - Some exercises intentionally have no hints
- Learn to find solutions!
 - Software development includes **everyday searching and learning**
 - No excuses, just learn to study!
 - Developers learn new technologies, tools, and languages every day!



Course Web Site, Forum and FB Group

- Official web site:

<https://softuni.bg/trainings/3659/cpp-oop-july-2022>

- Official discussion forum:

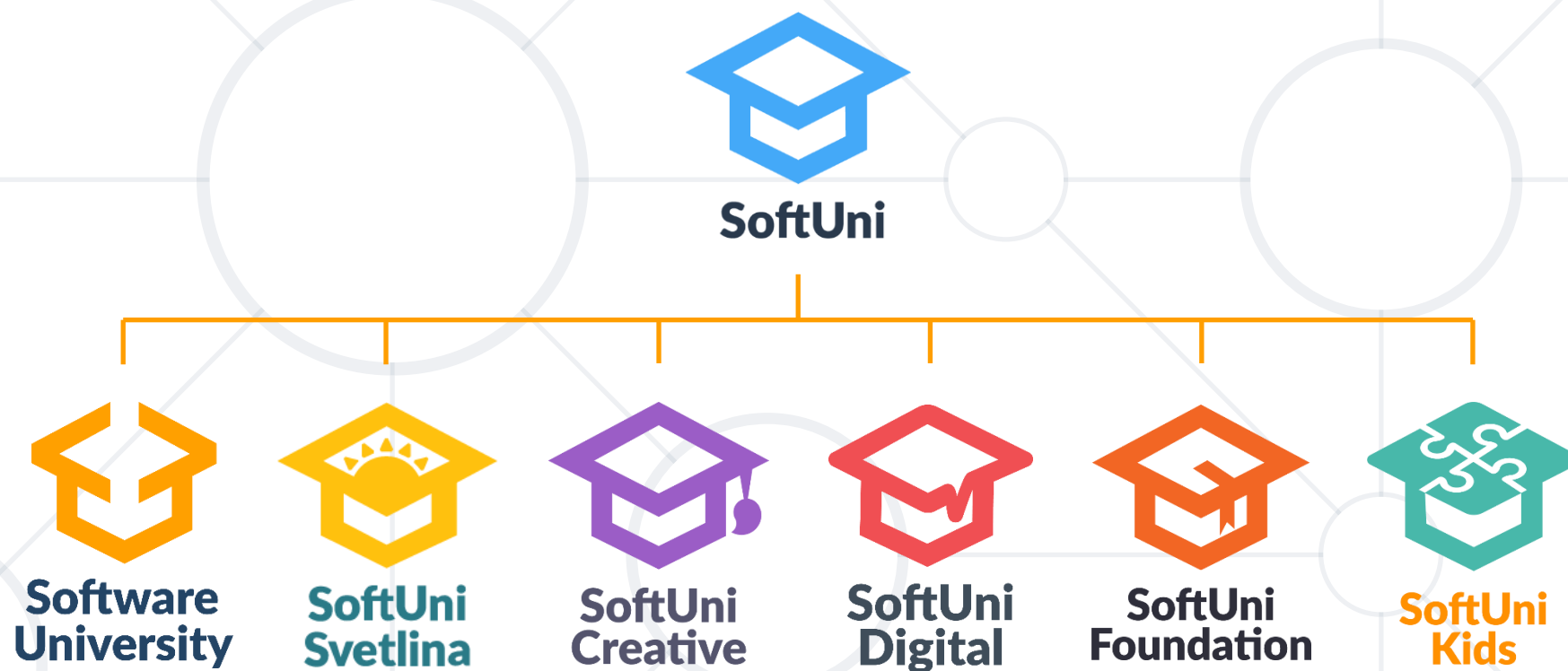
<https://softuni.bg/forum/categories/823/cplusplus-oop>

- Official Facebook group:

<https://www.facebook.com/groups/Cplusplus00PJuly2022>



Questions?



SoftUni Diamond Partners



SCHWARZ



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VIRTUAL RACING SCHOOL



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