

Java Advanced

Course Introduction



SoftUni Team
Technical Trainers



SoftUni



Software University

<https://softuni.bg>

Table of Contents

1. Diamond Partners
2. Course Objectives & Program
3. The Trainers Team
4. Course Organization
 - Homework
 - Exam
5. Resources

SoftUni Diamond Partners

**SUPER
HOSTING
.BG**

INDEAVR
Serving the high achievers

 **SmartIT**


SOFTWARE

zühlke
empowering ideas

 **INFRAGISTICS®**



**Coca-Cola HBC
Bulgaria**



Postbank

Решения за твоето утре



 **DRAFT
KINGS**



**SOFTWARE
GROUP**





Java Advanced

- Java Is Everywhere
- Wonderful Community Support
- Java Is Platform Independent
- Excellent Documentation Support - Javadocs
- Great Collection of Open Source Libraries
- Java Has Rich API

Course Topics

- Stack and Queues
- Multidimensional Arrays
- Sets and Maps
- Streams, Files and Directories
- Defining Classes
- Workshop – Create Simple Data Structure
- Generics
- Iterators and Comparators
- Functional Programming
- Workshop





The Trainers Team

- Java Developer at Virtual Racing School
- Experience with Java, C++, C#
- Technical Trainer @SoftUni
- Interested in Astrophysics



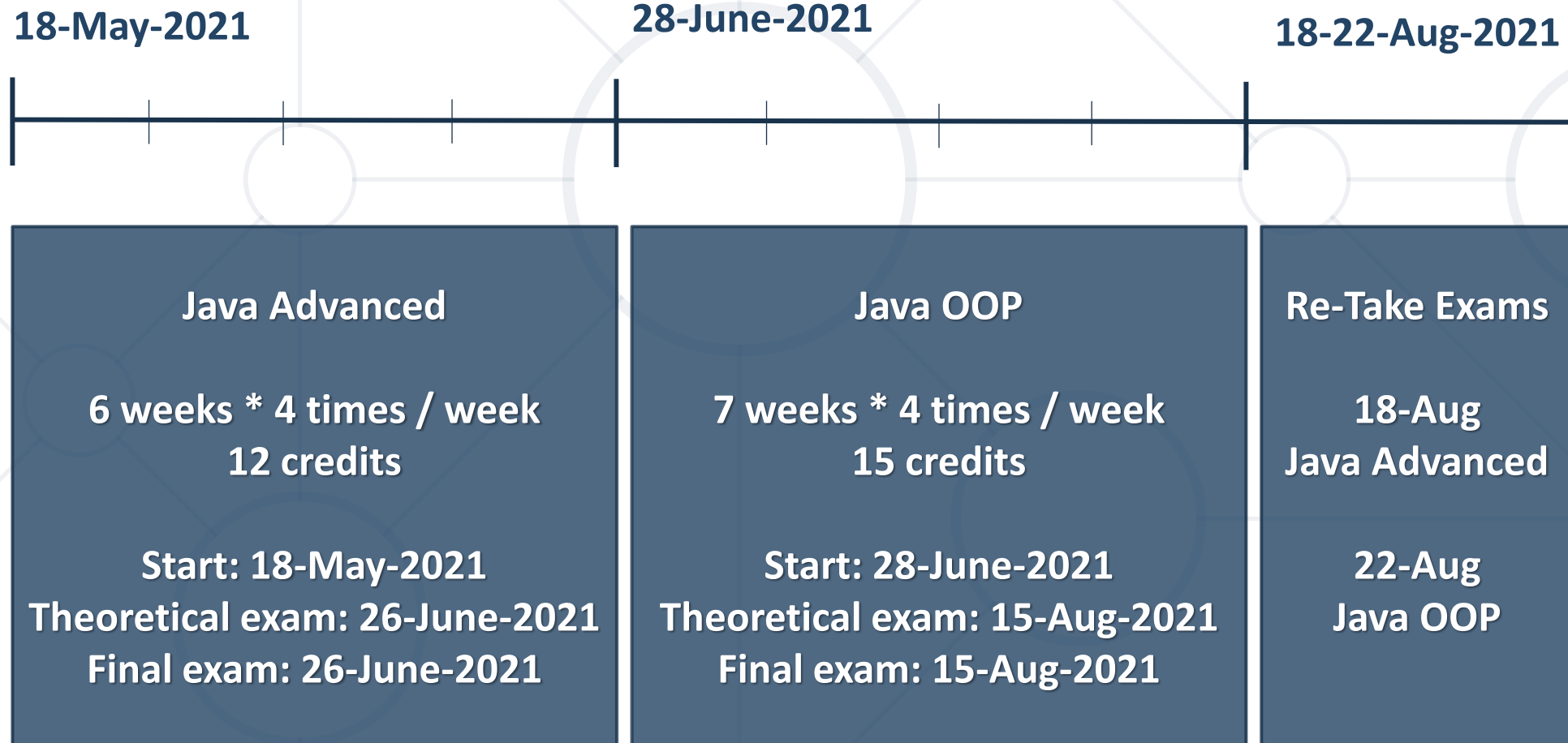
- Java Developer @SAP
- Ex-competitor in Mathematics
- Technical Trainer @SoftUni
- Programming Basics Team Lead
- Content Development Team Lead





Course Organization

Java Advanced Module – Timeline







Homework Assignments & Exercises

- Your **homework** is mainly work in class!
 - Lesson days → slides + live demos + exercises
 - Exercise days → only exercises
- How to submit your homework?
 - Submitted in the **judge system**
- Do your homework when it's due!
 - Assignments pile up quickly



- **Practical Programming Exam**
 - 3 practical problems for 4 hours:
 - Code in Java
- Problem 1: **Data Structures** (Stack, Queues, Sets, Maps)
- Problem 2: **Multidimensional Arrays**
- Problem 3: **Defining Classes**

Theoretical Exam

- 30 minutes
 - **Multiple-choice** with 1 or more correct answer
 - In English
 - Automated quiz system
- Available **online** on the day of **the practical** exam
- You can submit your answers just one time





Resources

Java Advanced Course, Forum and FB Group

- Official web site:

<https://softuni.bg/trainings/3345/java-advanced-may-2021>

- Official discussion forum:

<https://softuni.bg/forum/categories/7/java-advanced>

- Official Facebook group:

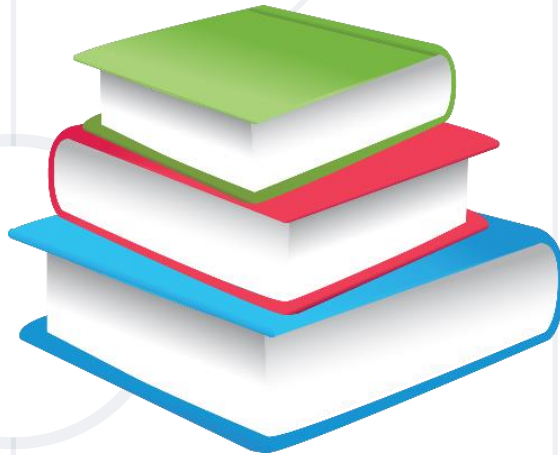
<https://www.facebook.com/groups/javaadvancedmay2021>

- Community Facebook group:

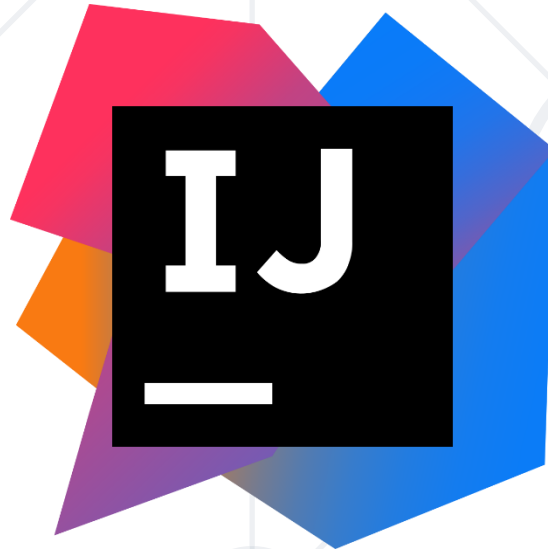
<https://www.facebook.com/groups/SoftUniJavaCommunity/>



- All lecture **slides, videos, homework assignments, projects** and other resources are open content, available for free
 - Visit the course **web site** to access the course resources



- Software needed for this course:
 - Microsoft Windows 10
 - IntelliJ Idea - <https://www.jetbrains.com/idea/>



- The course assignments require to **search 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, languages every day!



- Software University – High-Quality Education, Profession and Job for Software Developers

- softuni.bg

- Software University Foundation

- softuni.foundation

- Software University @ Facebook

- facebook.com/SoftwareUniversity

- Software University Forums

- forum.softuni.bg



- This course (slides, examples, demos, exercises, homework, documents, videos and other assets) is **copyrighted content**
- Unauthorized copy, reproduction or use is illegal
- © SoftUni – <https://about.softuni.bg>
- © Software University – <https://softuni.bg>

