

Course Syllabus of Scientific Software Engineering lecture and lab at TU Braunschweig

Session	Date	Lecture Info	Practice Class Info
1	3. Apr. 2024	Introduction to SSE	Introduction to VS Code and Working Environment
2	10. Apr. 2024	OOP Refresher	Refresher on OOP in Python
3	17. Apr. 2024	SOLID Principles	SOLID Principles by Example
4	24. Apr. 2024	Introduction to Software Design Patterns	Observer Pattern applied
5	8. Mai 2024	The Factory Pattern	Dynamic creation of object at runtime using the Factory Pattern
6	15. Mai 2024	The Singleton and Command Pattern	Building a programmable remote-control software
7	29. Mai 2024	The Strategy Pattern	How to achieve behavioral flexibility
8	5. Jun. 2024	Introduction to Group Project	Group Project - Building a Minimal CAD System
9	12. Jun. 2024	No Lecture	Group Project - Building a Minimal CAD System
10	19. Jun. 2024	Introduction to TDD	TDD in Practice
11	26. Jun. 2024	No Lecture	Group Project - Building a Minimal CAD System
12	3. Jul. 2024	No Lecture	Group Project - Building a Minimal CAD System
13	5. Jul. 2024	Group Project Presentations	Group Project Presentations