deti universidade de aveiro
departamento de eletrónica,
telecomunicações e informática

Weekly calendar and classes plan

Updated: 2020-02-03.

See also: Timetable (PACO)

W	Mo	TP (Tue)	P1, P4 (Thu)	P2, P3 (Fri)
1	10/02	Introduction to SQA. The tests pyramid and the role of unit testing.	Lab 1: Unit testing (JUnit)	Lab 1
2	17/02	Integration testing. User Acceptance Testing (web applications). Synthesizing test objects for collaborators with mocking frameworks.	Lab 2: Mocking dependencies (Mockito)	Lab 2
3	24/02	[No classes - Carnival]	Lab 3: Web testing automation. Page Objects model.	Lab 3
4	02/03	Integrating the test process and the software development process. TDD and BDD.	Lab 4: BDD practices with Cucumber	Lab 4
5	09/03	Testing multi-layered applications (Spring Boot approach).	Lab 5: Integration testing in Spring Boot.	Lab 5
6	16/03	Code quality: static analysis and metrics. Best practices for "clean code". ➔ Invited talk t.b.c.	Lab 6: Static code analysis and code review	Lab 6
7	23/03	Continuous integration workflows.	Lab 7: CI/CD framework 1	Lab 7
8	30/03	CI, CD and DevOps	Lab 8: CI/CD framework 2	Lab 8
9	06/04	[No classes – Easter break]	[No classes – Easter break]	[No classes – Easter break]
10	13/04	Database migration and synthesis for agile testing.	Lab 9: Databases and agile testing.	Lab 9
11	20/04	Strategies for performance testing.	Lab 10: performance testing (API, BD)	Lab 10
12	27/04	[No classes – Academic Week break]	[No classes – Academic Week break]	[No classes – Academic Week break]
13	04/05	Practices for the group project: rules of engagement.	Group proj: inception and setup.	
14	11/05	[No classes – Aveiro's city holiday]	Group proj: presentation 1	Group proj: presentation 1

W	Mo	TP (Tue)	P1, P4 (Thu)	P2, P3 (Fri)
15	18/05	SQA and certification. SQA and the CMMI.	Group proj	Group proj
16	25/05	➔ Invited talk: the role of the SQE.	Group proj	Group proj
17	01/06	Software Quality models.	Group proj: final project defense	Group proj: Final project defense
18	08/06	Written exam.	[No classes]	[No classes – end of semester]