

Software Testing					
Course Code CIF62038	Student Workload 90 hours	Credits (according to ECTS) 4.5	Semester Sem. 6 & 8	Frequency each even-semester	Duration 16 meetings
1	Types of courses <i>elective</i>	contact hours 63 hours	independent study 27 hours	class size 40 students	
2	Prerequisites for participation Completed Software Engineering				
3	Learning outcomes IF-ILO-3 Graduates are able to develop professional careers in the field of computer science based on quality aspects, data-based decision making, be responsible, and make continuous improvements. IF-ILO-7 Mastering the theoretical concept and principles of computer science, especially in the aspect of algorithms, programming, intelligent systems, information management, parallel and distributed computing, information security, human-computer interaction, software engineering, and fundamentals of computer systems and networks. IF-ILO-13 Graduates are able to perform abstraction, modeling, representation, and data acquisition in order to perform the data analysis.				
4	Subject aims Students are able to explain the basic concepts and issues of software testing. Students are able to apply basic software testing techniques. Students are able to explain the types of system testing in software testing. Students are able to explain software testing evaluation techniques.				
5	Teaching methods lectures, case study, class discussion, presentation, practice				
6	Assessment methods assignment, mid-term examination, end-term examination, project evaluation, practical-skill assessment				
7	This module is used in the following degree programs as well				

8	Responsibility for module
9	<p>Other information</p> <ol style="list-style-type: none"> 1. Ilene Burnstein, 2002, Practical Software Testing: A Process-Oriented Approach 2. Kshirasagar Naik dan Priyadarshi Tripathy, 2008, Software Testing and Quality Assurance: Theory and Practice 3. Lisa Crispin and Janet Gregory, 2008, Agile Testing: A Practical Guide for Testers and Agile Teams 4. Gerard O'Regan, 2019, Concise Guide to Software Testing 5. JJ Shen, 2019, Software Testing Techniques, Principles, and Practices 6. Liliana Iancu, 2019, QA Quality Assurance & Software Testing Fundamentals 7. Daniel Galin, 2004, Software Quality Assurance: From Theory to Implementation 8. Murali Chemuturi, 2010, Mastering Software Quality Assurance: Best Practices, Tools and Techniques for Software Developers 9. Abu Sayed Mahfuz, 2016, Software Quality Assurance: Integrating Testing, Security, and Audit 10. Alain April dan Claude Y. Laporte, 2017, Software Quality Assurance 11. Stephan Goericke, 2019, The Future of Software Quality Assurance 12. Pressman RS (2009) Software Engineering A Practitioner's Approach 7th Ed - Roger S. Pressman. 13. Sommerville I (2016) Software engineering (10th edition)