

Information System Implementation and Testing

Course Title: Information System Implementation and Testing					
Course Code: CIE61021	Student Workload: 8.50 Hours/ Weeks	Credits: 3 Credits (4.50 ECTS)	Semester: 5 th Semester	Frequency: Odd Semester	Duration: 16 Weeks/ Semester (<i>Lecture and practical work:</i> 14 weeks; <i>Midterm assessment:</i> 1 week; <i>Final assessment:</i> 1 week)
1	Types of Courses: Technological Content Knowledge Course	Contact Hours: <i>Lecturing:</i> 1.67 Hours/ Week; <i>Practical Work:</i> 2.83 Hours/ Week	Independent Study: <i>Self-study:</i> 2.00 Hours/ Week; <i>Structured Assignment:</i> 2.00 Hours/ Week	Class Size: 40 Students	
2	Prerequisites for Participation (If Applicable): Information System Analysis and Design				
3	Learning Outcomes: <ol style="list-style-type: none"> M1: Able to transform the model that has been compiled in the design phase into software code and algorithms under the educational problem context (ILO-2) (0,4) M2: Able to carry out testing on software using a white box and black box testing approach as part of efforts to help improve the quality of the instructional, learning, or educational process under the proper information technology implementation (ILO-5) (0,4) M3: Able to develop software testing documents as a deliverable or milestone in the educational domain problem-solving process (ILO-9) (0,2) 				
4	Subject aims/Content: At the end of the course, students are expected: <ol style="list-style-type: none"> L1: Able to understand, explain and implement the coding phase in software development (M1) L2: Able to transform software models, both object-based and structured, into codes and algorithms needed to meet software requirements (M1) L3: Able to apply software testing techniques, both white box and black box, on software produced in the coding phase (M2) L4: Able to develop and implement software testing documents (M3) 				
5	Teaching Methods: Lecturing, Group Discussion, Case-Based Learning, Project-Based Learning				
6	Assessment Methods: Essay, performance test, anecdotal record/logbook, case assessment, project assessment				
7	This Course is Used in The Following Study Programme/s as Well: -				
8	Responsibility for Course: <ol style="list-style-type: none"> Aditya Rachmadi, S.ST., M.TI. Faizatul Amalia, S.Pd., M.Pd. 				
9	Other Information: Bibliography: <ol style="list-style-type: none"> Vliet, Hans van, Software Engineering: Principles and Practice Homesauth, Bernard. Fundamentals of Software Testing Myers, Glenford J. The art of Software Testing 				