

COURSE NAME			
<b>Test and Design-for-Test</b>			
CREDITS	6 ECTS	TYPE	Elective
SCHEDULING	2nd Term	CHARACTER	Theoretical-Practical

CONCISE COURSE CONTENTS
<ul style="list-style-type: none"> <li>• Test of digital, analog and mixed-signal systems.</li> <li>• Design for test.</li> <li>• Advanced concepts about test.</li> </ul>

LEARNING OBJECTIVES
<ul style="list-style-type: none"> <li>• Be aware of why test is required in micro/nanoscale systems. Get to know related concepts and terminology as well as their fundamentals.</li> <li>• Acquire a global perspective about the test of analog, digital and mixed-signal systems as well as about the applied techniques and the challenges that advanced technologies and complex systems pose.</li> <li>• Get to know specific Design-for-Test (DfT) techniques and their insertion in the design flow.</li> </ul>

LEARNING ACTIVITIES
<ul style="list-style-type: none"> <li>• Online theoretical-lectures classes.</li> <li>• Practical classes and/or exercises: tutorials, resolution of selected problems and practical work.</li> </ul>

EVALUATION SYSTEM
<ul style="list-style-type: none"> <li>• Assimilation of concepts: on-going evaluation supported by exercises and problems.</li> <li>• Evaluation of capacities: practical cases with optional individual online presentation.</li> <li>• Examinations.</li> </ul>