



Courses taught in English at the Faculty of Economic Sciences

<p>Module No.: M.WIWI-WB.0001</p> <p>Title: Scientific Programming</p>	<p>Credits:</p> <p>3</p>
<p>Course Content:</p> <p>The practical computer course provides a fundamental introduction to scientific programming with the statistical software “MathWorks MATLAB”. Using the Basic programming language is a great way to teach the essential concepts of programming and numerical data processing, and it allows students to acquire skills required in quantitative sciences. Modern lecture slides available in German and English languages, which include practical exercises, are used. By using the course material, the participants will be motivated to focus on the concepts, and they will be able to track their own progress during the course.</p> <p>Topics</p> <ol style="list-style-type: none"> 1. Graphical User Interface 2. Data and Operations 3. Functions 4. Programming Concepts 5. Development Tools 6. 2D- und 3D-Graphics 7. Advanced Solving Algorithms 	<p>Course Type:</p> <p>Computer Exercise (1 SWS)</p>

<p>Recommended Prerequisites:</p> <p>Mathematics and statistics at BA level</p>	<p>Exam:</p> <p>Written exam (60 Min) or oral exam (15 Min)</p>
<p>Recommended Semester:</p> <p>1-2</p>	<p>Cycle:</p> <p>Every semester</p>
<p>Literature:</p>	<p>Lecturer:</p> <p>Prof. Helmut Herwartz</p>