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**Aktuelle Modulbeschreibung**

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| **Module Number:** | **12448** |
| **Module Title:** | **Web-Technologies Lab** |
|  | Web-Technologie Praktikum |
| **Department:** | Faculty 1 - Mathematics, Computer Science, Physics, Electrical Engineering and Information Technology |
| **Responsible Staff Member:** | * Prof. Dr. phil. habil. Wagner, Gerd |
| **Language of Teaching / Examination:** | English |
| **Duration:** | 1 semester |
| **Frequency of Offer:** | Every summer semester |
| **Credits:** | 4 |
| **Learning Outcome:** | Participants will learn how to use web technologies for implementing distributed applications, services and tools following the model-driven engineering approach. |
| **Contents:** | Design and implementation of web applications, web services and tools. |
| **Recommended Prerequisites:** | Participants must have good knowledge in Java- or PHP-programming and web-technologies, equivalent to modules   * 12316: Specification Languages and Processing Techniques for Web Documents and * 12431: Designing and Implementing Web Applications. |
| **Mandatory Prerequisites:** | None |
| **Forms of Teaching and Proportion:** | * Practical training / 120 Hours |
| **Teaching Materials and Literature:** | Will be distributed during the course. |
| **Module Examination:** | Continuous Assessment (MCA) |
| **Assessment Mode for Module Examination:** | For passing this lab course, participants will have to submit a design and an implementation of a tool, a service or an application.  The module is not graded. |
| **Evaluation of Module Examination:** | Performance Verification – graded |
| **Limited Number of Participants:** | None |
| **Part of the Study Programme:** | * M.Sc. / Cyber Security (research-oriented profile) / Prüfungsordnung 2017 * Abschluss im Ausland / Environmental and Resource Management / keine Prüfungsordnung * Abschluss im Ausland / Informatik / keine Prüfungsordnung * M.Sc. / Informatik (research-oriented profile) / Prüfungsordnung 2008 - 2. SÄ 2017 * Abschluss im Ausland / Wirtschaftsingenieurwesen / keine Prüfungsordnung |
| **Remarks:** | This course will be given in English and/or German.   * Study programme Computer Science M. Sc.: Compulsory elective module in complex "Seminars or Laboratories" (level 400) |
| **Module Components:** | Web Technologies Laboratory |
| **Components to be offered in the Current Semester:** | * no assignment |