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**Aktuelle Modulbeschreibung**

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| **Module Number:** | **11896** |
| **Module Title:** | **Seminar** |
|  | Seminar |
| **Department:** | Faculty 1 - Mathematics, Computer Science, Physics, Electrical Engineering and Information Technology |
| **Responsible Staff Member:** | * Prof. Dr.-Ing. habil. König, Hartmut |
| **Language of Teaching / Examination:** | English |
| **Duration:** | 1 semester |
| **Frequency of Offer:** | On special announcement |
| **Credits:** | 4 |
| **Learning Outcome:** | Students acquire the skill to familiarize themselves with a new complex topic on the base of technical and scientific literature within a subfield of cyber security. They can provide a presentation of the results, in oral as well as in written form. |
| **Contents:** | State of the art in a complex subfield of cyber security according to the topic of the seminar. |
| **Recommended Prerequisites:** | solid knowledge in the field of the seminar |
| **Mandatory Prerequisites:** | None |
| **Forms of Teaching and Proportion:** | * Seminar / 2 Hours per Week per Semester * Research paper/essay / 30 Hours * Self organised studies / 60 Hours |
| **Teaching Materials and Literature:** | Literature references for individual retrieval will be provided at the beginning of the seminar. |
| **Module Examination:** | Continuous Assessment (MCA) |
| **Assessment Mode for Module Examination:** | * Successful oral presentation, 30-45 minutes depending on topic (50% of total marks) * Written report, 10-15 pages depending on topic (30% of total marks) * Active participation in courses (20% of total marks)   75% of the total marks are needed to pass the module. |
| **Evaluation of Module Examination:** | Study Performance – ungraded |
| **Limited Number of Participants:** | None |
| **Part of the Study Programme:** | * M.Sc. / Cyber Security (research-oriented profile) / Prüfungsordnung 2017 * M.Sc. / Informatik (research-oriented profile) / Prüfungsordnung 2008 - 2. SÄ 2017 * M.Sc. / Informations- und Medientechnik (research-oriented profile) / Prüfungsordnung 2017 |
| **Remarks:** | * Study programme Cyber Security M.Sc.: Compulsory elective module in complex "Cyber Security Methods". * Study programme Computer Science M. Sc.: Compulsory elective module in complex "Seminars or Laboratories" (level 400). * Study programme Information and Media Technology M. Sc.: Compulsory elective module in complex "Dependable HW/SW-Systems". |
| **Module Components:** | Seminars in the field of cyber security |
| **Components to be offered in the Current Semester:** | * [120530 Seminar Advanced Topics in Network and System Security - 2 Hours per Week per Semester](https://www.b-tu.de/qisserver3/rds?state=verpublish&status=init&vmfile=no&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung&veranstaltung.veranstid=79515) * [120810 Seminar Formal Methods and Software Engineering for Security - 2 Hours per Week per Semester](https://www.b-tu.de/qisserver3/rds?state=verpublish&status=init&vmfile=no&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung&veranstaltung.veranstid=76745) * [120811 Examination Formal Methods and Software Engineering for Security](https://www.b-tu.de/qisserver3/rds?state=verpublish&status=init&vmfile=no&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung&veranstaltung.veranstid=77594) |