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| Studiengang | Bachelor of Science | | |
| Modul B42/4 | Spezialisierungsmodul I: MI: Developing Multimedia Applications II | | |
| Studien- abschnitt: | 4 | Leistungspunkte pro Modul: | 6 CP Anzahl SWS: 4 Workload: 170 h |
| Dozent(in) | Prof. Dr. Mohammed Yass | | |
| Sprache | Englisch / Deutsch | | |
| Voraussetzungen | Grundstudium Bachelor Informatik | | |
| Art des Moduls | Spezialisierungsmodul I für den Schwerpunkt Medieninformatik | | |
| Lehrformen | Vorlesung: 3 SWS Übung: 1 SWS | | |
| Lernziele/ Kompetenzen | <ul style="list-style-type: none"> ▪ Using .Net and C# to develop multimedia applications for different platforms professionally | | |
| Inhalte | <p>Overview</p> <ul style="list-style-type: none"> ▪ MM-Tools vs. .Net and c# ▪ The framework ▪ Important language aspects <p>Developing multimedia Applications</p> <ul style="list-style-type: none"> ▪ Windows, Web and Mobile conception ▪ Prototyping for specific topics <p>Developing multimedia with C# and VS</p> <ul style="list-style-type: none"> ▪ Controls for Multimedia development ▪ Integration and control of Text ▪ Integration and control of Audio and Video ▪ Using and manipulating graphics ▪ Filestreams, XML, DB and serialization <p>Developing multilingual applications Localization using VS</p> <p>Programming mobile devices based on the compact framework</p> <ul style="list-style-type: none"> ▪ Design aspects for mobile devices ▪ Using different media on mobile devices ▪ using files, XML and Databases <p>Web based applications</p> <p>Course work</p> <ul style="list-style-type: none"> ▪ Students develop a multimedia application, which takes all aspects into consideration. A topic could be suggested from the student. A professional work should be done and presented. This is a precondition in order to get admitted to write the exams. | | |
| Leistungs-nachweis | Studienleistung: Praktische Übungen Prüfungsleistung: Klausur, 120 Minuten | | |
| Medienformen | <ul style="list-style-type: none"> ▪ Slides and help engines | | |
| Literatur | | | |