

Studiengang	Bachelor of Science						
Modul B42/4	Spezialisierungsmodul I: MI: Developing Multimedia Applications						
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"> ▪ Knowledge acquisition of the media integration and development process ▪ Control and optimize use of media ▪ Decision making on platforms, technologies and tools ▪ Design and creation of a MM-application professionally using different systems and technologies and their combination 						
Inhalte	<p>Overview</p> <ul style="list-style-type: none"> ▪ Media / getting a long with different media ▪ Design and layout aspects / Authoring tools ▪ Developing process / Concept and design ▪ Structure and storyboard / standards <p>Developing multimedia Applications</p> <ul style="list-style-type: none"> ▪ Tools, philosophy und script languages ▪ Optimizing Code <p>Authoring tool (at least 2 tools will be discussed)</p> <ul style="list-style-type: none"> ▪ Philosophy and use ▪ Component and special tools ▪ Programming ▪ Types of Scripts and use ▪ Important language aspects ▪ Navigation and Communication ▪ Mouse and keyboard events ▪ Animation: creating and control ▪ use and control of Sound und Speech ▪ use and control of Video ▪ Modularizingof movies (multimedia Application) ▪ using files and Databases ▪ Xtras and 3rd part extensions ▪ Web based applications <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	
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