

Modulbezeichnung	Technology and Paradigms Integration	
Semester	WPF	
Dauer	3 Semester	
Art	Wahlpflichtfach	
ECTS-Punkte	5	
Studentische Arbeitsbelastung	45 h Kontaktzeit + 105 h Selbststudium	
Voraussetzungen (laut BPO)		
Empf. Voraussetzungen		
Verwendbarkeit	Mall	
Prüfungsform und -dauer	Mündliche Prüfung	
Lehr- und Lernmethoden	Vorlesung	
Modulverantwortlicher	A. W. Colombo	
Qualifikationsziele	The students should know and understand “New Trends“ for the Integration of following Technologies, among others: Information and Computational Intelligence, Control, Management, and Networked Systems.	
Lehrinhalte	- Collaborative Networks, Collaborative Manufacturing Management (CMM) - Basic Knowledge and exemplary Applications of Neuronal and Fuzzy-Logic Networks - Simulation applied in different phases of the Automation System Life-cycle. - Basic Knowledge about the application of the Cloud Computing and Service-oriented Architectures Paradigms in the Industry.	
Literatur	[1] Zurawski, R., Ed. The Ind. Information Technologie HB. CRC Press, 2005. [2] Mohammed Alhamad, SLA-Based Trust Model for Secure Cloud Computing. Digital Ecosystems and Business Intelligence Institute, Curtin Business School. Univ. Curtin-Perth, Australia. 2012	
Lehrveranstaltungen		
Dozent	Titel der Lehrveranstaltung	SWS
A. W. Colombo	Technology and Paradigms Integration	3