Scie	ntific Progra	mming with	n Matlab in En	gineering		AR-105
Rota Duration		Semester	sws	Credit Points	Workload	
annually WS 1 Semester		1 st (Semester)	3 SWS	3	90 h	
1	Modul Structure					
ļ	Course (Abbreviation)		Type/ SWS	Presence	Self Study	Credit Points
	a) Scientific Programming with Matlab in Engineering (SPM)		Lab/ 3 SWS	35 h	55 h	3
2	Language English					
3	Content					
	 Symbolic Computing Statistics Numerical Optimisation Control System Design Simulink Robotics Literature:					
	Matlab documentation					
4	Competencies					
	The course qualifies the students to solve scientific programming and engineering problems with Matlab. The students acquire deeper knowledge in the design and application of control system robotics.					
5	Examination Requirements					
	Successful completion of 75% of programming assignments and Successful completion of 50% of quizzes The course grading is pass or fail.					
6	Formality of Examination					
-	☐ Module Finals ☐ Accumulated Grade					
7	Module Requirements (Prerequisites)					
	Allocation to Curriculum: Mandatory Course					
8			•			
8 9		mation & Robotic	CS .			