Data:	PP. MA. Nr. 3215 / Examination number: 44504	Version: 01.07.2024	Start Year: WiSe 2024
Module Name:	**Personal Programming Project**		
(English):			
Responsible:	Eidel, Bernhard / Prof. Dr.-Ing. habil.		
Lecturer(s):	Prakash, Aruna / Dr.-Ing. Eidel, Bernhard / Prof. Dr.-Ing. habil. Prüger, Stefan / Dr.-Ing.		
Institute(s):	Institute of Mechanics and Fluid Dynamics		
Duration:	22 Week(s)		
Competencies:	The students will develop, test and document their own software tool for a subject relevant to the Course Computational Materials Science.		
Contents:	Most important ingredients of the programming project are: Search for resources (existing codes, libraries, etc.). Developing the software tool, commenting the source code. Code verification and documentation. Report about the project following the guidelines. Final presentation and defense.		
Literature:	None		
Types of Teaching:	S1 (WS): The seminar takes place in two blocks, (i) at the beginning of the semester: presentation and defense of the project in content, goals and schedule in front of the committee with individual feedback shaping the final form of the PPP, and (ii) at the end of the 22 week period: presentation and defense of the project results. / Seminar (6 d) S1 (WS): In between the seminar blocks the students are guided in practical application-type sessions. / Practical Application (3 SWS)		
Pre-requisites:	**Recommendations:** None		
Frequency:	each semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: AP: Final Report (source code, documentation, analysis of an example solved with their numerical tool) AP: Presentation and defending of the project [30 to 45 min]		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: AP: Abschlussbericht (Quellcode, Dokumentation, Analyse eines mit ihrem numerischen Tool gelösten Beispiels) AP: Präsentation und Verteidigung des Projekts [30 bis 45 min]		
Credit Points:	12		
Grade:	The Grade is generated from the examination result(s) with the following weights (w): AP: Final Report (source code, documentation, analysis of an example solved with their numerical tool) [w: 4] AP: Presentation and defending of the project [w: 1]		
Workload:	The workload is 360h. It is the result of 93h attendance and 267h self-studies.		