

# Module Overview M. Sc. Mechanics (8 Semesters)

Degree Programme Guidelines as per 01.10.2016; Version 01.10.2016

The degree programme consists of 120 Credit Points (CP) in total:

- ▶ **Mandatory Subject Area:** ■ 16 CP
- ▶ **Elective Subject Area / Optional Subject Area:** ■ 56 CP
- ▶ **Mathematics:** ■ 18 CP
- ▶ **Master's Thesis:** ■ 30 CP

**Language of Tuition:**  
**GERMAN**  
*Certificates required*



This leads to the following *possible* part-time semester course schedule:

1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester	7. Semester	8. Semester		
			Tutorial/Laboratory Course 1 out of 5 modules (4 CP)		Project/Lab Exercise 1 out of 5 modules (6 CP)	Master's Thesis (30 CP)			
					Seminar in Fluid Mechanics or Dynamics 1 out of 2 modules (3 CP)				
					Seminar in Continuum Mechanics or Solid Mechanics 1 out of 3 modules (3 CP)				
Elective Subject Area A: Specialisation Fluid Mechanics and Dynamics (18 CP)									
Elective Subject Area B: Specialisation Continuum Mechanics and Solid Mechanics (18 CP)									
Elective Subject Area C: Mechanics, Natural and Engineering Sciences* (14 CP)									
General Optional Elective Area – Interdisciplinary Modules** (6 CP)									
Mathematics – Further Modules (18 CP)									
Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP			Ø 15 CP	Ø 15 CP

\* Students can choose modules from the Elective Subject Areas A and B, of Mathematics (further modules) as well as from the Engineering and Natural Science Area (check the module handbook).  
 \*\* Students can choose courses from all departments, interdisciplinary specialisations and the fields of study at TU Darmstadt. Courses from other areas can be chosen when confirmed by the examinations board. Courses from the mathematics, engineering and natural science area may only be chosen in the case that they show an interdisciplinary character or train key qualifications that are not typical for the field of specialisation.