

## International Master's Programme TFM-ASA

### Details for the 3rd Semester

#### Compulsory Elective Modules I

18 ECTS credit points (= 3 modules) are to be selected from the following list

· <a href="#">11913</a> Turbulence Modeling	6 CP
· <a href="#">11938</a> Thermodynamics, Heat and Mass Transfer	6 CP
· <a href="#">12886</a> Flow Measurements	6 CP
· <a href="#">12887</a> Engineering Acoustics – Sound Fields	6 CP
· <a href="#">13519</a> CFD 1 <sup>a</sup>	6 CP

<sup>a</sup>will replace 12885 Computational Fluid Dynamics in the Winter Semester 2021/22

#### Compulsory Elective Modules II

12 ECTS credit points (= 2 modules) – one module from each area is to be selected

##### **Ila: Mechanical Engineering, Aerodynamics, Fluid Mechanics, Aerospace Engineering, Materials Science**

· <a href="#">11913</a> Turbulence Modeling*	6 CP
· <a href="#">12233</a> Experiments in Aerodynamics and Fluid Mechanics	6 CP
· <a href="#">12886</a> Flow Measurements*	6 CP
· <a href="#">12887</a> Engineering Acoustics – Sound Fields*	6 CP
· <a href="#">13254</a> Image Based Measurement Techniques for Aerodynamics	6 CP
· <a href="#">13358</a> CFD Project	6 CP
· <a href="#">13519</a> CFD 1*	6 CP

##### **Ilb: Physics, Mathematics, Computer Science**

· <a href="#">11938</a> Thermodynamics, Heat and Mass Transfer*	6 CP
· <a href="#">12827</a> Parallel Computing	6 CP
· <a href="#">13299</a> Dimensional Analysis and Experimentation	6 CP
· <a href="#">13361</a> Stochastic Methods for Flow Simulations	6 CP
· <a href="#">13440</a> Waves and Instabilities in Fluids	6 CP

\* If not already selected as Compulsory Elective Module I

Five-digit Codes: Module numbers with direkt links to the module descriptions