

Vorlesungsplan SS 2021
Version: 08.03.2021 – FT 26 Fahrzeugdynamik
Freitag 08:00 – 15:30
S1.16b, T310, I305 (IFM Benningen), Zoom

Nr.	Datum	Inhalt	Ort	Von Wem
1	19.03.	Introduction Vehicle dynamics - Principles - Vehicle attributes and their target conflicts - Subjective & objective evaluation - Measurement methods - Introduction and Installation CarMaker and MXeval - Virtual Test Driving (VTD) CarMaker Quick Start Guide	Zoom	Schick
2	26.03	Practical Training Vehicle Dynamics Simulation and Evaluation Issue of PSA	Zoom	Schick Tarne
3	09.04.	Test and evaluation methods for vehicle attributes with practical simulation - Steady State Behavior - Transient Behavior	I305 Zoom	Schick
4	16.04.	Chassis components and functions with practical simulation - Tire & Wheels - Kinematic & Compliance - Steering Systems	I305 Zoom	Schick
5	30.04.	Basic vehicle dynamics calculation and vehicle models - Introduction single track model - Characteristic and critical speed - Wheel load distribution calculation - Practical calculation exercise - Simulation exercise & comparison	I305 Zoom	Böhle
6	18.06	Track Day	IFM	all
7	25.06.	ESP–Functions & Application & Process	Zoom	Albert Lutz (BOSCH)
8	02.07.	ESP–Application & Hands-On Workshop	I305 Zoom	Albert Lutz (BOSCH)
9	09.07.	Project Day	I305 Zoom	Schick

* Remember, understand, apply, analyze, evaluate, develop

Nr.	Datum	Inhalt	Education Target*
1	19.03.	Introduction Vehicle dynamics	understand
2	26.03	Practical Training Vehicle Dynamics Simulation and Evaluation	apply
3	09.04.	Test and evaluation methods for vehicle attributes with practical simulation	apply
4	16.04.	Chassis components and functions with practical simulation	apply
5	30.04.	Basic vehicle dynamics calculation and vehicle models	apply
6	18.06	Track Day	analyze & evaluate
7	25.06.	ESP–Functions & Application & Process	understand
8	02.07.	ESP–Application & Hands-On Workshop	apply
9	09.07.	Project Day	analyze & evaluate