

Course syllabus for ERASMUS+ incoming students

Course Title	
Construction and Diagnostics of Modern Vehicles – Selected Issues	
Academic Teacher	Grzegorz Feliczak, PhD in Engineering
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ECTS credits	5
Number of hours	120
Course code	INT-IPMBM-CDMV-26
Course description	
Course description The course presents selected issues related to the construction, operation and diagnostics of modern motor vehicles. Assessment: attendance, project/presentation, case study and final oral or written assessment.	
Learning outcomes - course content	
- Vehicle construction - Engines - Transmission - Suspension - Steering - Braking systems - Electrical systems - Diagnostics - Failure analysis - Technical documentation	
Student workload (self-study description)	
Student workload (100 h self-study) Individual project (30 h); presentation (15 h); case study (15 h); self-study of literature/materials (20 h); participation in additional classes (10 h); exam preparation (10 h).	
Literature	
Erjavec: Automotive Technology: A Systems Approach. Bosch Automotive Handbook.	

Halderman: Automotive Technology.
Denton: Advanced Automotive Fault Diagnosis.