

Tárgytematika / Course Description Operating Motor Vehicles II

GKNB_KVTA002

Tárgyfelelős neve /

Teacher's name: dr. Titrik Ádám

Félév / Semester: 2024/25/2

Beszámolási forma /

Assesment: Vizsga

Tárgy heti óraszám /

Teaching hours(week): 2/0/0

Tárgy féléves óraszám /

Teaching hours(sem.): 0/0/0

OKTATÁS CÉLJA / AIM OF THE COURSE

Előadó: dr. Titrik Ádám Ph.D., assistant professor

Practice leader : dr. Titrik Ádám Ph.D., assistant professor

Practical instructor : dr. Titrik Ádám Ph.D., assistant professor

Credit points available: 4

TANTÁRGY TARTALMA / DESCRIPTION

Lecture topics

1	Introductory lecture, description of subject requirements	
2	Measuring instruments, measurement errors, measurement processes	
3	Types of car repair operations. Warranty and warranty repairs, runtime and middle repairs	
4	Methods and tools for repairing steel and aluminum bodies	
5	Car body repair benches and their measuring systems.	
6	Methods of repairing plastic body parts	
7	Repair painting technology, materials and tools. Car painting cabins.	
8	Chassis and cavity protection materials, technology and devices.	
9	Windshield repair and replacement. Vehicle reconditioning operations.	
10	Car renovation methods and technological processes. Renovation operations of motor vehicle engines I.	
11	Renovation operations of motor vehicle engines II.	
12	Renovation of gearboxes, front and rear axle.	

13	Renovation of touring boilers, chassis and leaf springs, tires.	
14	Official roadworthiness testing of vehicles. Renovation of generators and starter motors.	

Laboratory practice topics

	Topic	Teaching week
1	Practice measuring methods 1.	3
2	Practice measuring methods 2.	4
3	Practice measuring methods on car bodywork.	5
4	Repair of plastic parts.	6
5	Car painting technologies.	7

SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESSMENT'S METHOD

Exam requirements: The exam is written and requires a completion of at least 50%.

Point boundaries: 51 - 60 % 2

61 - 85 % 3

86 - 90 % 4

91 -100 % 5

Laboratory practice : During the semester, all students should participate 10 hours of laboratory practice. The number of exercises is 5, the duration of one exercise is 2 hours. **Participation in the exercises (practice) is mandatory.**

Outside the announced dates, the exercises cannot be replaced, except for the proven absence.

KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

AJÁNLOTT IRODALOM / RECOMMENDED MATERIAL