



1. Subject name	Requirements for superstructure designers				
2. Subject name in Hungarian	Felépítményezői ismeretek				
3. Code	BMEKOJSM662	4. Evaluation type	exam grade	5. Credits	4
6. Weekly contact hours	0 (0) Lecture	2 (10) Practice	2 (11) Lab		
7. Curriculum	Vehicle Engineering MSc (J)	8. Role	Specialization (sp) at Vehicle Engineering MSc (J)		
9. Working hours for fulfilling the requirements of the subject					120
Contact hours	56	Preparation for seminars	22	Homework	20
Reading written materials	8	Midterm preparation	4	Exam preparation	10
10. Department	Department of Railway Vehicles and Vehicle System Analysis				
11. Responsible lecturer	Dr. Béda Péter				
12. Lecturers	Dr. Galambosi Frigyes				
13. Prerequisites					
14. Description of lectures					

15. Description of practices

Manufacturer's guidelines for superstructure makers. Differences and similarities among manufacturers. Manufacturers guidelines for different types of superstructures and vehicle assembling. Hungarian and international technical requirements, the legal environment. Programming the manufacturing. Requirements for pricing. Individual and guided practice lessons

16. Description of laboratory practices

Individual and guided practice lessons

17. Learning outcomes

A. Knowledge

- The student knows the truck makers' recommendations for the superstructure builders.
- Knows the national and european rules for superstructure application, vehicle transformation and vehicle building.
- Knows the national and european rules concerning trucks.

B. Skills

- The student is able to understand the operation of the given superstructure.
- Is able to prepare the manufacturing of the superstructure or that of a subassembly, is able to prepare its technical documentation.
- Knowing the manufacturing technology and having specific knowledge, he is able to prepare the quotation.
- Is able to participate the superstructure design process, to perform a subtask individually.

C. Attitudes

- The student makes an effort to gather all the available informations in a given domain.
- Cooperates with his fellow students and the teacher.
- Is open minded towards new and innovative ideas and researches.
- Uses informatical and computational devices for his work.

D. Autonomy and Responsibility

- The student is conscient about his responsibility towards the society and his company.
- Asks for the colleagues' expertise and judgement when working.
- Considers challenges with responsibility.

18. Requirements, way to determine a grade (obtain a signature)

The requirement of the signature determined by the points from 1 semestrial homework, and additionally 1 non-compulsory test. Final grade from exam (100%)

19. Opportunity for repeat/retake and delayed completion

Second test possibility for those not present on the test, possibility of delayed deadline for project work

20. Learning materials

Lecture notes

Effective date	10 October 2019	This Subject Datasheet is valid for	Inactive courses
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