



1. Subject name	Superstructure preliminary design				
2. Subject name in Hungarian	Felépítmény előtervezés				
3. Code	BMEKOJSM664	4. Evaluation type	exam grade	5. Credits	4
6. Weekly contact hours	2 (10) Lecture	0 (0) 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	18	Homework	20
Reading written materials	12	Midterm preparation	4	Exam preparation	10
10. Department	Department of Railway Vehicles and Vehicle System Analysis				
11. Responsible lecturer	Dr. Lovas László				
12. Lecturers	Dr. Galambosi Frigyes, Dr. Susánszki Zoltán				
13. Prerequisites	strong: KOJSM662 - Requirements for superstructure designers				
14. Description of lectures					
Construction layouts, special links. Connections among tubular profiles, metal sheets and elastic coverings. Cooperation between vehicle frame and rigid superstructure with special function.					
15. Description of practices					
16. Description of labortory practices					
Conception of the geometry and kinematics of a given superstructure. Preliminary stress computation with CAD tools.					
17. Learning outcomes					
A. Knowledge <ul style="list-style-type: none"><li>Tools and processes for the vehicle superstructure design.</li></ul> B. Skills <ul style="list-style-type: none"><li>Participation to the superstructure design process, individual realisation of a subtask.</li></ul> C. Attitudes <ul style="list-style-type: none"><li>Taking responsibility towards the society and the employer.</li></ul> D. Autonomy and Responsibility <ul style="list-style-type: none"><li>Creation and evaluation of variants.</li></ul>					
18. Requirements, way to determine a grade (obtain a signature)					
1 semestrial project work, 1 non-compulsory test, 1 exam. Details for computing the final mark can be find in the subject requirements.					
19. Opportunity for repeat/retake and delayed completion					
Second test possibility for those not present on the test, possibility of delayed deadline for homework					
20. Learning materials					
Lecture notes					
Effective date	10 October 2019	This Subject Datasheet is valid for		Inactive courses	