Syllabus

Basic data of the subject	
University/Faculty:	**University of Applied Sciences in Ferizaj** **Faculty of Engineering and Informatics**
Academic unit:	**Industrial Engineering with Informatics**
Title of the subject:	**Means of transport**
Level:	**Bachelor**
Course Status:	**Elective**
Year of studies:	**III**
Number of hours per week:	**4**
Value of Credits - ECTS:	**5**
Time / location:	**318**
Course lecturer:	**Inxh. i dipl.mak. Halit Mehmeti**
Contact details:	**halit.mehmeti@ushaf.net**
Course Description	*Presentation and study of elements, construction of transport vehicles and their use; selection and method of calculation, steel ropes. Mechanisms, cranes, autocranes, elevators, uninterrupted means of transport (strip and chain conveyors, elevators, conveyors).* *Cable car(telpher)*
Course Content	*Introduction. Importance and main characteristics of means of transport.* *Elements of mechanisms for hanging weights, etc.* *Applying the constructions and their calculation.* *Basic crane mechanisms (lifting mechanisms, running mechanisms).* *Description, constructive solution, driving resistance, Analysis of the mechanisms' movements and their dimensioning.* *Types of manual, hydraulic and electromotor driving.* *Cranes- job description and their types (portable bridge, construction etc.).* *Types of loads, pressure of cranes holders and their safety.* *Autocranes -field of use, construction, and transport equipment.* *Elevator- (lifts, lift platform, their types and importance)* *Description and dimensioning of driving mechanisms.* *Uninterrupted means of transport (strip and chain conveyors, elevators, conveyors).* *Uninterrupted means of transport without traction elements, pneumatic transport, cable car(telpher)*
Objectives of the course:	*To introduction students with means of transport, their components and dimensions. Knowledge of cranes, hydraulic cranes, bridges.*

	Knowledge of auto-cranes, elevator, uninterrupted means of transport, strip and chain conveyors, elevators, cable cars(telpher).
Expected learning outcomes:	*After completing this course, student will be able to:* • *To know means of transport, their operation, dimensioning, their components, to distinguish driving.* • *To gain knowledge about cranes and auto-cranes, elevators, strip and chain conveyors, and cable cars(telpher).*

Contribution to the student load (which must correspond with learning outcomes)			
Activity	**Hour**	**Day/Week**	**In total**
Lectures	1.5	15	22.5
Theoretical exercises / laboratory	1	15	15
Internship	1	15	15
Contacts with teacher / consultations	0.5	15	7.5
Field exercises	3	4	12
Midterm, seminars and projects.	-	-	-
Homework	0.5	15	7.5
Self-learning time student (at the library or at home)	1	15	15
Final preparation for the exam	1	10	10
Time spent on evaluation (tests, quiz and final exam)	1	6	6
Projects and presentations	1	15	15
Total			**125.5**

Teaching methodology:	*Classroom lectures; tasks; practice*
Assessment methods:	*Examination content:* • *Homework 30%* • *Following on lectures: 10%* • *Practice 10%* • *Test 50%*
Literature	
Basic Literature:	1. *Mjetet Transporuese, Dr.ing. Musli Bajraktari, Fakullteti Teknik i Prishtinës* 2. *Projektimi i Mjeteve Transpotuese, Prof. Dr. Mustaf Bajraktari, Fakulteti i Ingjinieris Mekanike - Prishtinë*
Additional Literature:	
The ratio of theory and practice	

Designed learning plan

Week:	Lectures and exercises to be held
Week one:	*Introduction. Importance and main characteristics of means of transport as well as their types.*
Week two:	*Steel ropes, chains, pendant tools, construction and their dimensioning.*
Week three:	*Cranes- job description and their types*
Week four:	***Factory visit***
Week five:	Calculation of the Crane, chains, lambs and their constructive form .
Week six:	*Autocranes*
Week seven:	*Type of Autocranes*
Week eight:	***Practice***
Week nine:	*Elevators (lifts)*
Week ten:	*Dimensioning of lifting mechanisms of lifts*
Week eleven:	*Uninterrupted means of transport (strip conveyors, chains, elevators, conveyors).*
Week twelve:	***Practice***
Week thirteen:	*Cable cars and their importance*
Week fourteen:	*Cargo transport security*
Week fifteen:	*Repetition and recapitulation of the matter*
Academic policies and rules of conduct	
Academic Behavior in class , keeping calm in the classroom, regular attendance at lectures as well as active participation with discussion and exercises.	