Modular courses from discipline
Civil Engineering and Transport

No.	Modular courses	Type of classes and hours
1.	FEM with Applications in Mechanics and Engineering	L-20, E-10
2.	Higher Mathematics in Engineering	L-15
3.	Concrete and Reinforced Concrete Mechanics	L-15
4.	Mechanics of Pavement Structures	L-15
5.	Mechanika ośrodków ciągłych w ujęciu komputerowym	L-15 P-15
6.	Multiple-criteria Decision Analysis Methods	L-15
7.	Methodology of Experimental Tests for Materials and Structures	L-15
8.	Modelling and Analysis of Dynamic Systems Using Stochastic Hybrid Methods	L-15
9.	Multiscale Modeling and Homogenization Methods	L-15
10.	Stability and Dynamics of Structures	L-15
11.	Statistics in Experimental Studies	L-15 Lab-15
12.	Artificial Neural Networks	L-15
13.	Reliability and Risk Analyses in Engineering Applications	L-15 P-15
14.	Theory of Plasticity and Rheology	L-15
15.	Research and Analysis Methods in Traffic Engineering	L-18, Lab-15
16.	Mesomodels of Transport Systems	L- 7, Lab-15
17.	Linear Programming on Transport	L-15
18.	Neural Networks and Genetic Algorithms for Transport Issues	L-15
19.	Simulation Techniques in Transport and Logistics	L-15, Lab-15
20.	Object-oriented Models of Transport and Logistics Systems	L-15, Lab-15

L – lecture
E – exercises
P - projects
Lab - laboratories