

Study Plan for Doctoral Study Programme
Technique and Technology in Transport and
Communications,
Branch of Study: Transport Means and Infrastructure
(valid from 1. 2. 2018)

Compulsory Courses

dept/ signif.	subject	credits	No. of L+T+S	compl.	recom. sem./year
KID/APM1D	Applied Mathematics I. 'prof. PhDr. RNDr. Zdeněk Půlpán, CSc.'	0	36+0+0	Exam	SS/1
KMMCS/RESLE	Reability and Service Life 'prof. Ing. Jaroslav Menčík, CSc.' doc. Ing. Bohumil Culek, Ph.D.	0	36+0+0	Exam	WS/1

Compulsory Option Courses

dept/ signif.	subject	credits	No. of L+T+S	compl.	recom. sem./year
KMMCS/EA	Experimental Analysis 'prof. Ing. Jaroslav Menčík, CSc. '	0	2+0+0	Exam	WS/1
KDPD/MOSW	Methods of the Scientific Work 'doc. Ing. Jaromír Zelenka, CSc.'	0	6+0+0	Exam	SS/1
KDPD/DIISD	Diagnostic Information Systems 'prof. Ing. Bohumil Culek, CSc.'	0	24+0+0	Exam	WS/1
KMMCS/FOCME	Failure of Construction Materials 'prof. Ing. Jaroslav Menčík, CSc. '	0	24+0+0	Exam	WS/1
KMMCS/STIDD	Selected Topics in Dynamics 'prof. Ing. Petr Paščenko, Ph.D. '	0	24+0+0	Exam	WS/1
KDPD/THVHD	Theory of Vehicles 'doc. Ing. Jaromír Zelenka, CSc.' 'doc. Ing. Petr Voltr, Ph.D. '	0	3+2+0	Exam	SS/1
KDPD/TMRPD	Theory of Maintenance and Repair Technology 'doc. Ing. Jaromír Zelenka, CSc.' 'Ing. Stanislava Liberová, Ph.D. '	0	24+0+0	Exam	SS/1
KMMCS/APMED	Applied Mechanics 'doc. Ing. Jan Kout, CSc.' 'prof. Ing. Petr Paščenko, Ph.D. '	0	24+0+0	Exam	SS/1

Optional Courses

dept/ signif.	subject	credits	No. of L+T+S	compl.	recom. sem./year
KDPD/IRVTD	Interaction of Railway Vehicle and Track 'doc. Ing. Jaromír Zelenka, CSc.' 'Ing. Tomáš Michálek, Ph.D. '	0	4+0+0	Exam	
KDPD/RVLED	Rail Vehicle Laboratory Experiment	0	24+0+0	Exam	
KDS/MOCSD	Modelling of Concrete Structures 'Ing. Ladislav Řoutil, Ph.D.'	0	2+2+0	Exam	
KMMCS/CSTRD	Corrosion and Surface Treatment 'doc. Ing. Pavel Švanda, Ph.D.'	0	2+1+0	Exam	
KMMCS/MKPD	Finite Element Method 'prof. Ing. Petr Paščenko, Ph.D. '	0	4+0+0	Exam	
KDPD/DAQCD	Diagnostic Analysis and Quality Managemet 'prof. Ing. Milan Lánský, CSc. ' 'Ing. Pavel Kukla, Ph.D. '	0	24+0+0	Exam	SS
KDPD/STEPD	Selected Topics in the Environment Protection 'doc. Ing. Miroslav Tesař, CSc. ' 'Ing. Marie Sejkorová, Ph.D. '	0	24+0+0	Exam	SS
KMMCS/LSMD	Limit States of Materials 'prof. Ing. Eva Schmidová, Ph.D. '	0	2+1+0	Exam	SS