

Questionnaire

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Courses offered

Programme ¹	Course	Semester	Type ²	Hrs ³	CP ⁴	Syllabus
M-CE	Underground construction	3	C	4	6	Underground construction: <ul style="list-style-type: none"> - Dewatering - Foundation engineering - Injection techniques - Joint constructions Utility construction: <ul style="list-style-type: none"> - Horizontal drilling - Pipe jacking - Open trench construction
M-CE	Tunnelling – Design and Technology	2	C	4	6	<ul style="list-style-type: none"> - Planning methods for tunnels - Excavation + support systems - Classic construction methods - Shotcrete construction methods - Mechanised tunnel construction - Monitoring and process management - Safety aspects during construction - Specifics of tunneling logistics

¹ B-CE Bachelor programme in Civil Engineering
 M-CE Master programme in Civil Engineering
 B-ME Bachelor programme in Mining Engineering
 M-ME Master programme in Mining Engineering
 MAS Master of advanced studies

² C: compulsory
 E: elective

³ Number of teaching hours/week for lectures and exercises

⁴ Number of ECTS credit points (1 credit point = 30 hours student workload incl. homework)

ITA-CET
 Committee on Education and Training
 Activity Group 3: „University network“

M-CE	Operation and Maintenance of Tunnels and Utilities	3	C	4	6	<ul style="list-style-type: none"> - Operation equipment of tunnels - Operation of civil works - Safety and security - Maintenance - Building management - Damages: Causes and consequences - Cleaning of pipes - Repairing techniques - Reconstruction strategies - Economy
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