

Study plan

Name of study plan: obor Integrovaná bezpečnost staveb

Faculty/Institute/Others:

Department:

Branch of study guaranteed by the department: Integral Safety of Structures

Garantor of the study branch:

Program of study: Civil Engineering

Type of study: Follow-up master full-time

Required credits: 90

Elective courses credits: 0

Sum of credits in the plan: 90

Note on the plan: tento studijní plán platí od nástupu 2016-17

Name of the block: Compulsory courses

Minimal number of credits of the block: 60

The role of the block: Z

Code of the group: NQ20160100

Name of the group: obor Integrovaná bezpečnost staveb, 1. semestr

Requirement credits in the group: In this group you have to gain 31 credits

Requirement courses in the group: In this group you have to complete at least 5 courses

Credits in the group: 31

Note on the group:

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
124MDPE	Modelling the Dynamics of Fire and Evacuation Marek Pokorný, Petr Hejtmánek, Hana Najmanová Marek Pokorný Marek Pokorný (Gar.)	Z,ZK	7	3P+3C	Z	z
124PRPO	Law and Fire Protection Marek Pokorný Marek Pokorný Marek Pokorný (Gar.)	ZK	2	2P	Z	z
124SPP	Specific Fire Operations Marek Pokorný, Petr Hejtmánek, Vladimír Mózser, Václav Kupilík, František Wald Marek Pokorný František Wald (Gar.)	Z,ZK	7	4P+2C	Z	z
132MPV	Modelling of Structures under Fire and Explosions. Jaroslav Kruis, Zdeněk Sokol Jaroslav Kruis Jaroslav Kruis (Gar.)	Z,ZK	6	3P+2C	Z	z
134NKPZ	Structures exposed to fire František Wald, Jaroslav Procházka, Radek Štefan, Lukáš Velebil Kamila Cábová František Wald (Gar.)	Z,ZK	9	5P+2C	Z	z

Characteristics of the courses of this group of Study Plan: Code=NQ20160100 Name=obor Integrovaná bezpečnost staveb, 1. semestr

124MDPE	Modelling the Dynamics of Fire and Evacuation	Z,ZK	7
124PRPO	Law and Fire Protection	ZK	2
124SPP	Specific Fire Operations	Z,ZK	7
132MPV	Modelling of Structures under Fire and Explosions.	Z,ZK	6
134NKPZ	Structures exposed to fire	Z,ZK	9

Code of the group: NQ20160200

Name of the group: obor Integrovaná bezpečnost staveb, 2. semestr

Requirement credits in the group: In this group you have to gain 29 credits

Requirement courses in the group: In this group you have to complete at least 5 courses

Credits in the group: 29

Note on the group:

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
124DISE	Diploma Seminar	Z	7	4C	L	Z
124PRO	Project Vladimír Žára Marek Pokorný Vladimír Žára (Gar.)	KZ	5	4C	Z	Z
125TZP	Fire Equipment Protection Michal Kabrhel Hana Kabrhelová Michal Kabrhel (Gar.)	Z,ZK	6	3P+2C	L	Z
126FRIP	Financial Management, Capital Investment and Insurance	ZK	5	4P	L	Z
144HZP	Accidents and the environment	Z,ZK	6	3P+2C	L	Z

Characteristics of the courses of this group of Study Plan: Code=NQ20160200 Name=obor Integrovaná bezpečnost staveb. 2. semestr

124DISE	Diploma Seminar	Z	7		
124PRO	Project	KZ	5		
125TZP	Fire Equipment Protection	Z,ZK	6		
The basic subject for student of master's degree. The expansion of knowledge in the field of fire safety of buildings and structures. The course deals with fire protection of electrical wiring. In the second part of the semester problems fixed firefighting systems for different media types, fire alarm, fire ventilation.					
126FRIP	Financial Management, Capital Investment and Insurance	ZK	5		
Financial strategies and objectives, financial analysis, sources of financing and choice of optimal financial structure, investment activity of the company, decision making about investments, cash-flow investment project management, financial risks and their elimination, fundamentals of insurance.					
144HZP	Accidents and the environment	Z,ZK	6		

Name of the block: Povinný volitelné předměty, doporučení S1

Minimal number of credits of the block: 30

The role of the block: S1

Code of the group: NQ20160300_1

Name of the group: obor Integrovaná bezpečnost staveb, diplomová práce

Requirement credits in the group: In this group you have to gain 30 credits

Requirement courses in the group: In this group you have to complete at least 1 course

Credits in the group: 30

Note on the group:

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
124DPM	Diploma Thesis Marek Pokorný, Tomáš Ejška, Martin Jiránek, Anna Lounková, Richard Wasserbauer	Z	30	24C	Z	S1
125DPM	Diploma Thesis Hana Kabrhelová Hana Kabrhelová Stanislav Frolík (Gar.)	Z	30	24C	Z	S1
133DPM	Diploma Thesis Michaela Frantová	Z	30	24C	Z	S1
134DPM	Diploma Thesis Jakub Dolejš Jakub Dolejš Jakub Dolejš (Gar.)	Z	30	24C	Z	S1

Characteristics of the courses of this group of Study Plan: Code=NQ20160300_1 Name=obor Integrovaná bezpečnost staveb, diplomová práce

124DPM	Diploma Thesis	Z	30		
125DPM	Diploma Thesis	Z	30		
Diploma thesis is an independent project of a student at the end of Master degree study programme at the Faculty of Civil Engineering. Diploma thesis consists of two sections, a diploma thesis seminar and the actual thesis. In the diploma seminar section, the student works with the data and background information relating to the topic of the thesis. The student consults the supervisor.					
133DPM	Diploma Thesis in accordance with a thesis proposal	Z	30		
134DPM	Diploma Thesis	Z	30		

List of courses of this pass:

Code	Name of the course	Completion	Credits
124DISE	Diploma Seminar	Z	7

124DPM	Diploma Thesis	Z	30
124MDPE	Modelling the Dynamics of Fire and Evacuation	Z,ZK	7
124PRO	Project	KZ	5
124PRPO	Law and Fire Protection	ZK	2
124SPP	Specific Fire Operations	Z,ZK	7
125DPM	Diploma Thesis	Z	30
Diploma thesis is an independent project of a student at the end of Master degree study programme at the Faculty of Civil Engineering. Diploma thesis consists of two sections, a diploma thesis seminar and the actual thesis. In the diploma seminar section, the student works with the data and background information relating to the topic of the thesis. The student consults the supervisor.			
125TZP	Fire Equipment Protection	Z,ZK	6
The basic subject for student of master's degree. The expansion of knowledge in the field of fire safety of buildings and structures. The course deals with fire protection of electrical wiring. In the second part of the semester problems fixed firefighting systems for different media types, fire alarm, fire ventilation.			
126FRIP	Financial Management, Capital Investment and Insurance	ZK	5
Financial strategies and objectives, financial analysis, sources of financing and choice of optimal financial structure, investment activity of the company, decision making about investments, cash-flow investment project management, financial risks and their elimination, fundamentals of insurance.			
132MPV	Modelling of Structures under Fire and Explosions.	Z,ZK	6
133DPM	Diploma Thesis in accordance with a thesis proposal	Z	30
134DPM	Diploma Thesis	Z	30
134NKPZ	Structures exposed to fire	Z,ZK	9
144HZP	Accidents and the environment	Z,ZK	6

For updated information see <http://bilakniha.cvut.cz/en/FF.html>

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