Recomended pass through the study plan

Name of the pass: Systematic Integration of Processes in Healthcare 24/25, 25/26

Faculty/Institute/Others:

Department:

Pass through the study plan: Systematic Integration of Processes in Healthcare - combinec study

Branch of study guranteed by the department: Welcome page

Guarantor of the study branch:

Program of study: Systematic Integration of Processes in Healthcare

Type of study: Follow-up master combined

Note on the pass: Informaci o p edepsaném minimálním po tu PV p edm t pro konkrétní jednotlivé semestry

najdete v odpovídajícím studijním plánu programu.

Coding of roles of courses and groups of courses:

P - compulsory courses of the program, PO - compulsory courses of the branch, Z - compulsory courses, S - compulsory elective courses, PV - compulsory elective courses, F - elective specialized courses, V - elective courses, T - physical training courses

Coding of ways of completion of courses (KZ/Z/ZK) and coding of semesters (Z/L):

KZ - graded assesment, Z - assesment, ZK - examination, L - summer semester, Z - winter semester

Number of semester: 1

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
F7KMS1AM	Applied Mathematics David Vrba David Vrba David Vrba (Gar.)	Z,ZK	5	8P+8S	Z	Z
17BOZP	Occupational Safety and Health, Fire Protection and First Aid Petr Kudrna Petr Kudrna (Gar.)	Z	0	1P	Z	Z
F7KMS1EKZ	Economic Aspects of Healthcare Lucie Severová, Martina Caithamlová, Petra Hospodková Petra Hospodková Lucie Severová (Gar.)	Z,ZK	5	8P+8S	Z	Z
F7KMS1IZZ	Information Sources in Healthcare Gleb Donin, Vojt ch Kamenský Vojt ch Kamenský Gleb Donin (Gar.)	KZ	3	4P+8S	Z	Z
F7KMS1MV	Methodology of Research Jakub Ráfl Jakub Ráfl Jakub Ráfl (Gar.)	KZ	5	8P+4S	Z	Z
F7KMS1RNZ	Management of Costs in Healthcare Martina Caithamlová Petra Hospodková Petra Hospodková (Gar.)	KZ	5	8P+8S	Z	Z
F7KMS1VZ1	Public Health I. Jan B íza, V ra Adámková Jan B íza V ra Adámková (Gar.)	ZK	5	8P	Z	Z
F7KMS1VPZ	Selected Processes in Healthcare Facilities Milan Bedna ik Milan Bedna ik Milan Bedna ik (Gar.)	KZ	2	4P+4S	Z	Z

Number of semester: 2

Number of Sen	100101.2					
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
F7KMS1BE	Business English Jitka Mari áková Jitka Mari áková Jitka Mari áková (Gar.)	KZ	2	88	L	Z
F7KMS1EZZ	Economy of Healthcare Facilities Martina Caithamlová, Petra Hospodková Petra Hospodková (Gar.)	Z,ZK	4	12P+8S	L	Z
F7KMS1HZT	Health Technology Assessment Aneta Benešová, Gleb Donin, Martina Holá, Karla Mothejlová, Ond ej Gajdoš Martina Holá Ond ej Gajdoš (Gar.)	Z,ZK	4	12P+8S	L	Z
F7KMS1OP	Professional Training Petra Hospodková Jan B íza (Gar.)	Z	2	160XH	L	Z
F7KMS1PLPT	Overview of Medical Devices Petr Kudrna, Martin Rožánek, Petr Volf Petr Volf Martin Rožánek (Gar.)	Z,ZK	4	12P+8L	L	Z
F7KMS1RP	Annual Project Ond ej Gajdoš Gleb Donin Gleb Donin (Gar.)	Z	3	88	L	Z
F7KMS1RLZ	Management of Human Resources Petra Hospodková, Zuzana Dvo áková Petra Hospodková Zuzana Dvo áková (Gar.)	Z,ZK	4	8P+4S	L	Z
F7KMS1VZ2	Public Health II. Jan B íza, V ra Adámková Jan B íza V ra Adámková (Gar.)	Z,ZK	5	8P	L	Z

F7KMS1FU	Financial Accounting of Healthcare Facilities Martina Caithamlová Martina Caithamlová (Gar.)	KZ	2	4P+4S	L	S
F7KMS1TP	Team Project Vladimír Soukup Vladimír Soukup (Gar.)	KZ	2	88	L	S
F7KMS1ZAD	Fundamentals of Data Analysis Gleb Donin, Voit ch Kamenský Voit ch Kamenský Gleb Donin (Gar.)	KZ	2	8S	L	S

Number of semester: 3

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
F7KMS1BSCD	Statistical Methods in the Analysis of Clinical Studies Vojt ch Kamenský	Z,ZK	5	4P+12S	Z	Z
F7KMS1EHIS	E-Health and Information Systems in Healthcare	Z,ZK	5	8P+4S	Z	Z
F7KMS1IP	Individual Training Martina Caithamlová	Z	2	80XH	Z	Z
F7KMS1LKH	Legislation in Healthcare and Clinical Evaluation Vojt ch Kamenský	Z,ZK	5	12P+8S	Z	Z
F7KMS1MZZ	Management of Medical Facilities Petra Hospodková	Z,ZK	5	8P+8S	Z	Z
F7KMS1SDP1	Diploma Thesis Seminar I. Gleb Donin	Z	5	8S	Z	Z
F7KMS1EE	Economic Evaluation of Healthcare Programmes Vojt ch Kamenský	KZ	3	8P+4S	Z	S
F7KMS1PR	Project Management	KZ	3	8P+4S	Z	S
F7KMS1STT	Smart Technologies and Telemedicine in Healthcare	KZ	3	8P+4L	Z	S

Number of semester: 4

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
F7KMS1IZS	Integrated Rescue System and the Disaster Medicine	ZK	4	8P	L	Z
F7KMS1MZT	Health Technology Management Petr Volf	KZ	5	12P+4S	L	Z
F7KMS1RKZ	Quality Management in Healthcare Vojt ch Kamenský	Z,ZK	5	12P+8S	L	Z
F7KMS1SDP2	Diploma Thesis Seminar II.	Z	4	8S	L	Z
F7KMS1SZZ	Strategy of Healthcare Facilities Martina Caithamlová	KZ	2	8P	L	Z
F7KMS1DP	Diploma Thesis	Z	8	4XT	L	Z
F7KMS1EM	Enviromental Management of Medical Facilities	KZ	2	8P+4S	L	S
F7KMS1JIP	Icus and Mobile Healthcare Units	KZ	2	8P+4L	L	S
F7KMS1BMH	Basics of Modelling in Healthcare Vojt ch Kamenský	KZ	2	8P+4L	L	S

List of groups of courses of this pass with the complete content of members of individual groups

List of courses of this pass:

Code	Name of the course	Completion	Credits
17BOZP	Occupational Safety and Health, Fire Protection and First Aid	Z	0

F7KMS1AM	Applied Mathematics	Z,ZK	5
	nematics combines both theoretical knowledge and practical skills. Theoretical knowledge is necessary to formulate a mathematics		
decision-making and optin	nization problems in economic processes. Practical knowledge is trained by solving concrete situations using sample examples, to specific methods and techniques of mathematical data analysis.	where students ar	e introduced
F7KMS1BE	Business English	KZ	2
F7KMS1BMH	Basics of Modelling in Healthcare	KZ	2
F7KMS1BSCD	Statistical Methods in the Analysis of Clinical Studies	Z,ZK	5
F7KMS1DP	Diploma Thesis	Z	8
F7KMS1EE	Economic Evaluation of Healthcare Programmes	KZ	3
F7KMS1EHIS	E-Health and Information Systems in Healthcare	Z,ZK	5
F7KMS1EKZ	Economic Aspects of Healthcare	Z,ZK	5
of the national economy. specifics, and familiarizes of market failure and its fo national economy, and th of payment - is also discus	udents to the fundamentals of health care economics, providing an understanding of the basic approaches to the study of heal It introduces the market in health care, the occurrence of sub-market structures in health care, the supply of health care, the disstudents with tools for rationalizing supply and demand. In addition, the course discusses the issue of public goods, and introorms. In terms of macroeconomics, the course deals primarily with the health sector as part of the national economy, the importing functions of the public sector. The role of the state in the national economy is introduced. The financing of health care - sour issed. Students are also introduced to basic macroeconomic concepts such as inflation, unemployment and gross domestic product udents will be able to better understand the functioning of the economic system as a whole and the economic aspects of healt Environmental Management of Medical Facilities	lemand for health duces students to ance of the public ces, financial flow ct. Upon successfu	care and its the concep sector in the s and forms
	<u>-</u>		
F7KMS1EZZ	Economy of Healthcare Facilities	Z,ZK	4
-	Financial Accounting of Healthcare Facilities and as a theoretical and practical unit. Accounting is an indispensable source of information to support decision-making process the course is to introduce students to accounting issues, to familiarize them with the importance of accounting and its place in torganization. Emphasis is placed on practical application using selected model examples.	-	
F7KMS1HZT	Health Technology Assessment	Z,ZK	4
F7KMS1IP	Individual Training	Z	2
•	, students acquire in-depth practical skills and work independently under the supervision of a designated member of staff. The w I high professional standard. During the individual practice, all hygiene, safety and other regulations given for the specific work;	-	
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Smart Technologies and Telemedicine in Healthcare

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increasingly challer	ging and complex. This course introduces students to the fundamentals and phases of strategic management, the principles of strategy of	development and m	nanagement				
applied to the conditions of a healthcare facility. It analyzes the different concepts: mission - vision - mission - strategic goals - strategic plan, different forms of strategies and principle							
of their manageme	of their management. It deals with the formulation of the strategy itself, its communication, implementation of the strategy - especially from the point of view of application of appropriate						
means and metho	ds used in transformation of the top goals of the enterprise as a whole to lower responsibility and process levels - and providing infori	mation feedback, i.	.e. verifying				
whether the set of	goals are being met. The course also includes the analysis of the business plan environment, the creation of scenarios and their appli	ication in strategic	planning.				
F7KMS1TP	Team Project	KZ	2				
F7KMS1VPZ	Selected Processes in Healthcare Facilities	KZ	2				
F7KMS1VZ1	Public Health I.	ZK	5				
F7KMS1VZ2	Public Health II.	Z.ZK	5				

The long-term successful existence of any market entity depends on a clear idea of long-term strategy. Increasing competition, rising demand for healthcare services, growing patient demands and significant developments in medical science characterise the state of the contemporary healthcare sector. These facts make the management of healthcare facilities

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Strategy of Healthcare Facilities

Fundamentals of Data Analysis

For updated information see http://bilakniha.cvut.cz/en/FF.html Generated: day 2025-08-08, time 17:07.

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