Recomended pass through the study plan

Name of the pass: Systematic Integration of Processes in Healthcare 19/20, 20/21, 21/22, 22/23, 23/24

Faculty/Institute/Others:

Department:

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

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 full-time

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 sen	nester: 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
17BOZP	Occupational Safety and Health, Fire Protection and First Aid Petr Kudrna Petr Kudrna Petr Kudrna (Gar.)	Z	0	1P	Z	Z
F7PMSEK	Economics Petra Hospodková, Martina Caithamlová, Lucie Severová Petra Hospodková Lucie Severová (Gar.)	Z,ZK	5	2P+2S	Z	Z
F7PMSIZZ	Information Sources in Healthcare Gleb Donin, Vojt ch Kamenský Vojt ch Kamenský Gleb Donin (Gar.)	KZ	3	1P+2S	Z	Z
F7PMSPMF	Overview of Mathematics and Physics David Vrba	Z,ZK	4	2P+2S	Z	Z
F7PMSRLZ	Management of Human Resources Petra Hospodková	Z,ZK	3	1P+1S	Z	Z
F7PMSRNZ	Management of Costs in Healthcare Martina Caithamlová	KZ	5	2P+2S	Z	Z
F7PMSVZ1	Public Health, Management of Medical Facilities	ZK	5	2P	Z	Z
F7PMSVKZP	Selected Chapters from Medical Processes	KZ	5	2P+2S	Z	Z

Number of sen	nester: 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
F7PMSBE	Business English Jitka Mari áková	KZ	2	2S	L	Z
F7PMSEZZ	Economy of Healthcare Facilities Petra Hospodková	Z,ZK	3	2P+2S	L	Z
F7PMSHZT	Health Technology Assessment Vladimír Rogalewicz	Z,ZK	4	2P+2S	L	Z
F7PMSOP	Professional Training Petra Hospodková Jan B íza (Gar.)	Z	2	4XT	L	Z
F7PMSPLPT	Overview of Medical Devices	Z,ZK	4	2P+2C	L	Z
F7PMSRP	Annual Project Gleb Donin Gleb Donin (Gar.)	Z	2	1S	L	Z
F7PMSVZ2	Public Healthcare II. Jan B íza	Z,ZK	4	2P	L	Z
F7PMSZSED	Medical Systems and their Economic Dimension Miroslav Barták	Z,ZK	4	2P+2S	L	Z
F7PMSITZ	Information Technology in Healthcare	KZ	2	2P+2S	L	S
F7PMSJIP	Icus and Mobile Healthcare Units Petr Kudrna	KZ	3	2P+2C	L	S

F7PMSMKZ	Marketing and PR in Healthcare Petra Hospodková	KZ	2	2P+2S	L	S
F7PMSPIZ	Work with Information Sources and Research Methodology	KZ	3	2P+2S	L	S
F7PMSZU	Fundamentals of Accounting Martina Caithamlová	KZ	2	2P+2S	L	S

Number of sen	nester: 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
F7PMSBSCD	Statistical Methods in the Analysis of Clinical Studies Marian Rybá, Aleš Tichopád, Martina Homolková Vojt ch Kamenský Aleš Tichopád (Gar.)	Z,ZK	4	2P+2S	Z	Z
F7PMSEMM	Economic-mathematical Methods David Vrba, Matouš Brunát David Vrba David Vrba (Gar.)	KZ	2	1P+1S	Z	Z
F7PMSIP	Individual Training Petra Hospodková Petra Hospodková	Z	2	2XT	Z	Z
F7PMSLKH	Legislation in Healthcare and Clinical Evaluation Vojt ch Kamenský, Ond ej Gajdoš, Peter Kneppo Vojt ch Kamenský Peter Kneppo (Gar.)	Z,ZK	5	2P+2S	Z	Z
F7PMSMZZ	Management of Medical Facilities Petra Hospodková, Martina Caithamlová, Ján Lešták Petra Hospodková Ján Lešták (Gar.)	Z,ZK	4	2P+2S	Z	Z
F7PMSNIS	Hospital Information Systems Jan Bruthans, Anna Hor áková, David Jirsa Anna Hor áková Jan Bruthans (Gar.)	Z,ZK	3	2P+1S	Z	Z
F7PMSSDP1	Diploma Thesis Seminar I. Gleb Donin, Ond ej Gajdoš, Vladimír Rogalewicz Vladimír Rogalewicz Vladimír Rogalewicz (Gar.)	Z	2	1S	Z	Z
F7PMSZSVS	Healthcare as Part of the Public Sector Miroslav Barták Miroslav Barták Miroslav Barták (Gar.)	ZK	3	2P	Z	Z
F7PMSEAZ	Economic Analyses in Healthcare Gleb Donin, Ond ej Gajdoš, Jan Žigmond Jan Žigmond Gleb Donin (Gar.)	KZ	3	2P+2S	Z	S
F7PMSOVZ	Operation Research in Healthcare	KZ	3	2P+2S	Z	S
F7PMSMIP	Project Management Petra Hospodková, Venuše Kneppo Petra Hospodková Petra Hospodková (Gar.)	KZ	3	2P+2S	Z	S
F7PMSRKD	Development of Communication Skills Dana Rebeka Ralbovská Dana Rebeka Ralbovská Dana Rebeka Ralbovská (Gar.)	KZ	2	2P+2S	Z	S
F7PMSUPS	Application of Psychology and Sociology in Practice Martina Caithamlová	КZ	2	2P+2S	Z	S

Number of sem	ester: 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
F7PMSIZS	Integrated Rescue System and the Disaster Medicine Ond ej Šedivka, Jarmila Rážová, Renata Havránková, Leoš Navrátil, Zden k Hon, Lukáš Miklas, Kate ina Dostálová, Adéla Hofmannová, Zden k Hanuška, Leoš Navrátil Leoš Navrátil (Gar.)	ZK	5	2P	L	Z
F7PMSMZT	Health Technology Management Martin Rožánek, Ji í Petrá ek, Martin Mayer, Kristýna Koldová Ji í Petrá ek Martin Rožánek (Gar.)	КZ	5	2P+2S	L	Z
F7PMSRKZ	Quality Management in Healthcare Vojt ch Kamenský, Peter Kneppo, Alena Plášková Vojt ch Kamenský Peter Kneppo (Gar.)	Z,ZK	5	2P+2S	L	Z
F7PMSSDP2	Diploma Thesis Seminar II. Gleb Donin Gleb Donin (Gar.)	Z	2	1S	L	Z
F7PMSDP	Diploma Thesis	Z	8	4XT	L	Z
F7PMSDEV	Design and Ergonomics of Medical Devices	KZ	2	2S+2C	L	S
F7PMSEHG	E-Health and E-Government Dagmar Brechlerová Dagmar Brechlerová Dagmar Brechlerová (Gar.)	KZ	3	2P+2S	L	S
F7PMSKAJ	English Conversation Jitka Mari áková Jitka Mari áková Jitka Mari áková (Gar.)	КZ	2	2S	L	S
F7PMSSZZ	Strategy of Healthcare Facilities Martina Caithamlová Martina Caithamlová Martina Caithamlová (Gar.)	КZ	3	2P+2S	L	S
F7PMSMPR	Use of Modern Technical Devices in Rehabilitation	Z,ZK	3	2P+2S	L	S

F7PMSZMS Fundamentals of Modelling and Simulation Vojt ch Kamenský, Aleš Tichopád Vojt ch Kamenský Vojt ch Kamenský (Gar.)	KZ	2	2P+2C	L	S
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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
F7PMSBE	Business English	KZ	2
The aim of this stud	y material is to make students familiar with the Business English before embarking on a career in business. The course covers not o	nly terminology cor	nected with
	s English, but also grammar most often used in the given context. The material depicts a wide range of business topics including Jo		
Finance, Accounting	g etc. It presents and explains new words in the context of real situations and shows the student how to use them and how to work o	ut the rules for usin	g them. The
students practise th	eir newly acquired knowledge in the exercises related. The material is also designed to help the students to orientate in business er	vironment of differ	ent cultures
as well as to improve	e their speaking skills, using open questions for the students to discuss and talk about. Thus it allows the student to express their idea	s, support or ques	tion different
	opinions and get prepared for real business sphere.		
F7PMSBSCD	Statistical Methods in the Analysis of Clinical Studies	Z,ZK	4
The course focuses	on methods of statistical analysis designed primarily for medical research and clinical evaluation of medical devices. Students will be	introduced to clini	cal research
	methodology, clinical study design and then to commonly used methods of processing and testing clinical data.		
F7PMSDEV	Design and Ergonomics of Medical Devices	KZ	2
F7PMSDP	Diploma Thesis	Z	8
F7PMSEAZ	Economic Analyses in Healthcare	KZ	3
	s the subject of Health Technology Assessment. During the semester the student will get acquainted with specific types of analyzes	1	-
-	s, cost-benefit analysis), learn how to work with TreeAge, R and create meta-analyzes and Markov models. The student will further		-
cost benefit analys	multi-criteria decision analysis.		iowicage of
F7PMSEHG	E-Health and E-Government	КZ	3
	luces students to the e-Government (especially given in relation to health care) and e-health, their foundations and principles, espe-	1	-
		· ·	· ·
F7PMSEK	Economics	Z,ZK	5
	ces the main rules and notions of microeconomics, the market theory, market environment, market balance, demand and supply. Fu		
	and supply elasticity - graphiical and mathematical expression of elasticity, consumer's behavious, his optimum. The lecture contin		
•	production, profit maximization, etc. The end of the microeconomics part introduces the theory of perfect/imperfect competition (mo	1 1 0 1 1	•
	cerns macroeconomics, the course deals above all with the gross domestic product, its creation, distribution, and practical utilization.		
the theory of mone	y market, monetary policy, its tools and goals. Inflation, its nature, forms, causes and effects. Unemployment. The following part of the		th the fiscal
	policy, national budget, Maastricht criteria. The course is finished with international trade, balance of payments, exchange ra		-
F7PMSEMM	Economic-mathematical Methods	KZ	2
	atical Methods in Economics combines both theoretical knowledge and practical skills. Theoretical knowledge is necessary to formu		
subsequently to so	ve decision problems and optimal management of economic processes. Practical knowledge is trained in solving specific situations	on examples, whe	re students
	are introduced to specific methods and techniques of economic and mathematical data analysis.		
F7PMSEZZ	Economy of Healthcare Facilities	Z,ZK	3
	uces the basic categories of economics of healthcare facilities (hospitals, public and private clinics) with respect to cost, revenues a		
-	nt, marketing and other health-related professional activities and functions and their management. Health economics is a specific brand		
	allocation of scarce resources with respect to health and healthcare. It aims to develop and deepen the knowledge and skills of stud		
management too	Is, financing of healthcare needs and performance analysis. The accent is also put on the understanding of the healthcare facility in	its integrity and co	omplexity,
	especially with respect to the basic target function.	1	
F7PMSHZT	Health Technology Assessment	Z,ZK	4
F7PMSIP	Individual Training	Z	2
The Individual pro	ofessional training is an integral part of good and qualified preparation for prospective occupation. The training provides a student wi	th an opportunity t	o practice
theoretical knowledge	ge in the form of independent work supervised by a professional worker. The Individual professional training represents such form of	a tuition in which	the students
are placed in individ	ual workplaces within medical facilities, or in production or servicing organizations in the field of medical devices. The students, on th	e basis of predeter	mined study
plans, acquire deep	per practical skills and work independently under supervision of an appointed worker. The training on selected workplaces must be c	n a high professio	nal level. All
hygienic, safety and	other measures, relevant for the specific workplace must be followed within the training. Students are acquainted with the regulatio	ns of the given wo	kplace. The
training is supervise	ed and evaluated by its guarantor. The professional training of students of the program Systematic integration of processes in Health	care is focused na	mely on the
area of legislation	, documentation of medical devices in medical facilities, medical procedures reports to health insurance companies, area of tenders	, preparation of ma	aterials for
procurements, prepa	aration and realisation of purchase of medical devices, management quality in medical facilities, work with information systems, operation	ating of medical fac	ility, internal
	audit and other activities.		
F7PMSITZ	Information Technology in Healthcare	KZ	2
	of contemporary health facilities is not possible without a high degree of information technology integration and its impact will furth		1
-	Is on all employees who must guarantee the operation of health care information systems and other database applications as well as		
	ata produced by these systems using common office applications. The course introduces students with basic and advanced concep	-	-
•	with advanced application of computer technology for storing, analysis and presentation of data. Students will also familiarize with a		
5	networks, structure of relational databases, data types and their storage and will also adopt basics of informational safety	-	

F7PMSIZS	Integrated Rescue System and the Disaster Medicine	ZK	5
	urse is to acquaint the students with the origin and development of the Integrated Rescue System (IRS) in the Czech Republic, its cha		
	IRS bodies in the preparedness and solution of emergency and crisis situations, with the principles of tactical, operational and strateg	-	
	e public authorities in handling emergency situations and within the population protection. The course furthermore provides informatic ealth care service in relation to the provision of medical care, on the field of crisis management, and above all on the preparedness o		
	gency and crisis situations involving mass casualties, including the processes and procedures arising from trauma plans of outpatien	-	-
F7PMSIZZ	Information Sources in Healthcare	KZ	3
F7PMSJIP	Icus and Mobile Healthcare Units	KZ	3
	a brief overview of resuscitation and intensive care in anesthesia-resuscitation units, specialized and mobile intensive care units. The		-
	omedical engineering in this area to students. Studying course assumes basic knowledge especially from internal and chirurgic specia		•
of th	e course, the students should be able to actively communicate with a clinical physician and assist with optimal methods of solution in	specific cases.	
F7PMSKAJ	English Conversation	KZ	2
The subject Conve	rsation in English language is primarily focused on the development of communication skills, both from the field of general English, and	d the field of Busin	ess English.
Through the simu	lations of real situations, the students practise conversation phrases, relevant terminology and appropriate vocabulary. The emphasis	is placed on the a	ccuracy of
	communication skills and vocabulary expansion.		
F7PMSLKH	Legislation in Healthcare and Clinical Evaluation	Z,ZK	5
	s of the course unit The goal is to acquaint students with the rights and obligations arising from current legislation on health care issue		
memorizing the lite	ral wording of the legislation, but on familiarizing students with the main points and ideas contained in EU directives, regulations, laws	s, standards and E	U directives
	in healthcare. The student should have a comprehensive overview of health legislation after completing the course.	V7	2
F7PMSMIP	Project Management vith project management, its purpose, concepts and tools. Emphasis is placed on resource planning, allocation of resources to tasks, du	KZ	3
,	, re-planning of work in progress, etc. The course also includes project visualization, formatting of tables and graphs, form displays, cale	•	
	burce diagram, custom display options etc. Students further elaborate a fictitious project using current software tools to support project		Jik ulayiani,
F7PMSMKZ	Marketing and PR in Healthcare	KZ	2
	bject is to present the basics of marketing in health care institutions and medical devices companies. Specificities of marketing of ser		
	the quality of the product. In the continuous team work, students set up a marketing strategy of a specified institution or product.		
F7PMSMPR	Use of Modern Technical Devices in Rehabilitation	Z,ZK	3
	rse is to acquaint students with the possibilities of diagnostics and therapy using technical instruments. Emphasis is placed on explain		-
	of therapy and on the use of specific rehabilitation systems in clinical practice.		or this type
F7PMSMZT	Health Technology Management	KZ	5
	spital and its architecture. Distributions of stuff (engineering distributions electro-circuits, specifics of the circuits, water, gas distributions		-
	ation, spaces in health care specifics of elementary spaces, steam distribution). Practical seminars from design of the project. Typical		
<i>,</i> ,	Ministry of health CR specifying all requirements for different departments and devices. Barrier-free construction of health institu		
F7PMSMZZ	Management of Medical Facilities	Z,ZK	4
	se is to introduce the basic categories in management such as organizing, decision making, influencing or human resources. The introdu	· ·	nanagement
is a part of the cou	rse. The accent is put on the differences of the health facilities in comparison with the classical company. The aim of seminars is to co	onnect the theory a	ind practice,
	and the second		
	so case studies and team activities form the content of seminars.		
F7PMSNIS	so case studies and team activities form the content of seminars. Hospital Information Systems	Z,ZK	3
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The subject addre	Hospital Information Systems	mation is put in the	context of
The subject addre Czech eHealth sys a	Hospital Information Systems esses all subsystems of Hospital information systems (HIS) which means information systems of individual health facilities. This inforr stems. Not only single components (including examples from practice) are addressed, but also adjacent topics are accented (eHealth nd perspectives, classification systems, technical standards, security of information systems, basic knowledge of database and intra-	nation is put in the systems and its d net systems).	context of evelopment
The subject addre Czech eHealth sys a F7PMSOP	Hospital Information Systems esses all subsystems of Hospital information systems (HIS) which means information systems of individual health facilities. This inforr stems. Not only single components (including examples from practice) are addressed, but also adjacent topics are accented (eHealth nd perspectives, classification systems, technical standards, security of information systems, basic knowledge of database and intrar Professional Training	nation is put in the systems and its do net systems). Z	context of evelopment
The subject addre Czech eHealth sys a F7PMSOP	Hospital Information Systems esses all subsystems of Hospital information systems (HIS) which means information systems of individual health facilities. This inforr stems. Not only single components (including examples from practice) are addressed, but also adjacent topics are accented (eHealth nd perspectives, classification systems, technical standards, security of information systems, basic knowledge of database and intrar Professional Training training completes the practical part of education in the study program Systematic Integration of Processes in Health Care. Students get	nation is put in the systems and its do net systems). Z acquinted with an o	context of evelopment
The subject addre Czech eHealth sys a F7PMSOP Individual practical	Hospital Information Systems asses all subsystems of Hospital information systems (HIS) which means information systems of individual health facilities. This infor stems. Not only single components (including examples from practice) are addressed, but also adjacent topics are accented (eHealth nd perspectives, classification systems, technical standards, security of information systems, basic knowledge of database and intra Professional Training training completes the practical part of education in the study program Systematic Integration of Processes in Health Care. Students get of operations and with basic documentation in a healthcare facility, and train to do selected activities themselves in a practical se	nation is put in the systems and its d net systems). Z acquinted with an etting.	context of evelopment 2 organization
The subject addre Czech eHealth sys a F7PMSOP Individual practical F7PMSOVZ	Hospital Information Systems asses all subsystems of Hospital information systems (HIS) which means information systems of individual health facilities. This information systems. Not only single components (including examples from practice) are addressed, but also adjacent topics are accented (eHealth nd perspectives, classification systems, technical standards, security of information systems, basic knowledge of database and intran Professional Training training completes the practical part of education in the study program Systematic Integration of Processes in Health Care. Students get of operations and with basic documentation in a healthcare facility, and train to do selected activities themselves in a practical so Operation Research in Healthcare	nation is put in the systems and its d net systems). Z acquinted with an o etting. KZ	context of evelopment 2 organization 3
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The subject addre Czech eHealth sys a F7PMSOP Individual practical F7PMSOVZ Art of modeling au	Hospital Information Systems asses all subsystems of Hospital information systems (HIS) which means information systems of individual health facilities. This information strems. Not only single components (including examples from practice) are addressed, but also adjacent topics are accented (eHealth nd perspectives, classification systems, technical standards, security of information systems, basic knowledge of database and intrar Professional Training training completes the practical part of education in the study program Systematic Integration of Processes in Health Care. Students get of operations and with basic documentation in a healthcare facility, and train to do selected activities themselves in a practical set of peration models, Linear programming, Transportation problem, Integer linear programming, Introduction to graphs the nent (CPM, PERT) System approach and decision making, Decision models, Games theory, Decision making under uncertainty and	nation is put in the systems and its d net systems). Z acquinted with an o etting. KZ sory, Nonlinear pro-	context of evelopment 2 organization 3 gramming,
The subject addre Czech eHealth sys a F7PMSOP Individual practical F7PMSOVZ Art of modeling an Project manager	Hospital Information Systems asses all subsystems of Hospital information systems (HIS) which means information systems of individual health facilities. This information strems. Not only single components (including examples from practice) are addressed, but also adjacent topics are accented (eHealth nd perspectives, classification systems, technical standards, security of information systems, basic knowledge of database and intran Professional Training training completes the practical part of education in the study program Systematic Integration of Processes in Health Care. Students get of operations and with basic documentation in a healthcare facility, and train to do selected activities themselves in a practical set of operation models, Linear programming, Transportation problem, Integer linear programming, Introduction to graphs the nent (CPM, PERT) System approach and decision making, Decision models, Games theory, Decision making under uncertainty and objectives.	nation is put in the systems and its d net systems). Z acquinted with an e etting. KZ ory, Nonlinear pro- risk, Decisions wit	context of evelopment 2 organization 3 gramming, h multiple
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The subject addre Czech eHealth sys a F7PMSOP Individual practical F7PMSOVZ Art of modeling an Project manager F7PMSPIZ	Hospital Information Systems Hospital Information Systems asses all subsystems of Hospital information systems (HIS) which means information systems of individual health facilities. This information statems. Not only single components (including examples from practice) are addressed, but also adjacent topics are accented (eHealth nd perspectives, classification systems, technical standards, security of information systems, basic knowledge of database and intrar Professional Training training completes the practical part of education in the study program Systematic Integration of Processes in Health Care. Students get of operations and with basic documentation in a healthcare facility, and train to do selected activities themselves in a practical so Operation Research in Healthcare Ind elements of decision models, Linear programming, Transportation problem, Integer linear programming, Introduction to graphs the nent (CPM, PERT) System approach and decision making, Decision models, Games theory, Decision making under uncertainty and objectives. Work with Information Sources and Research Methodology work with Information Sources and Research Methodology	nation is put in the systems and its d net systems). Z acquinted with an e etting. KZ ory, Nonlinear pro- risk, Decisions wit	context of evelopment 2 organization 3 gramming, h multiple 3
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Proceedural proceedings. Lean Management. Standards of the ISO series. Implementation of the Quality Management System (SMJ) in a healthcare organization, justification of SMU needs for healthcare organizations, process approach. Quality Policy and Quality Targets, Quality Manual, Quality System Audit, Quality Plan, Objective Evidence, Inspection, Inspection, Examination, Validation Verification, Qualification Process. Audit: Review, Audit Program, Audit Criteria, Audited Organization, Audit Team, Expert, Health Care Standards. Euromodel TQM. Management and implementation of processes in healthcare facilities, definition and mapping of processes and subprocesses. Design of integration of healthcare facility

management. Possibilities of using TQM within healthcare facilities. Standards and indicators in the quality of health care. Quality in laboratories. Accreditation of medical facilities according to SAK and JCI. Quality management tools. Risk management.

	according to SAK and JCI. Quality management tools. Risk management.		
F7PMSRLZ	Management of Human Resources	Z,ZK	3
After completing the	e course the student will be able to: - understand the history of human resources in health care organizations, originating from a few s	cattered tasks to a	centralized
activity, assuming a	dditional necessary responsibilities as they arose describe or formulate the mission of HR department or area in healthcare organi	ization - understan	d and apply
the principles of	eamwork - describe the principles of good leadership and people management Objectives: -to enable students to approach Human	Resource Manage	ment in a
systematic manne	er and to recognize its importance for strategic management in Health Care Institutions; -to enable students to reflect and where app	ropriate, modify po	licies and
practices internal to	o the organization with reference to pressures from external institutions; -to help students to come to terms with the complex nature o	of the employment	relationship
and how t	he interlocking tasks of Human Resource management respond to changes which occur over time in individual employees and the w	vorkforce as a who	e.
F7PMSRNZ	Management of Costs in Healthcare	KZ	5
The students are ad	equainted with basic economic concepts connected with the issue of costs, their division and methods of determination. The costs are	discussed in more	e detail both
from the point of v	iew of corporate practice and economic theories. Students strive to apply theoretical knowledge and solve practical examples. Poten	tial options on how	to reduce
costs are also discu	issed. An integral part of the course is to practice the given topic using examples and graphs, everything being solved in connection wi	ith the practice. Stu	dents learn
to under	stand the meaning and significance of budgeting and costing from the point of view of management and in relation to economic activ	vities of a company	
F7PMSRP	Annual Project	Z	2
The course is design	gned to prepare students for the final work of Faculty of Biomedical Engineering, CTU, which will demonstrate the student's own ana	lytical and creative	abilities as
well as his / her kr	owledge from the previous stages of study. Subject "Annual project represents the first stage of the diploma thesis. The main goal is	based on the elab	orated and
approved current st	ate of the issue of generating a suitable topic of the diploma thesis, description of the goals, overview of the planned methods, expect	ted benefit and ration	onale of the
topic selection. At the	ne end of the second semester, the selected entry is entered into the approval process of the department, subject to the following cor	nditions: 1. Themat	ically fit into
the study program	Systematic Integration Processes in Healthcare concept (ie focusing on at least 2 of the three basic disciplines: economic, manageri	ial, medical, techni	cal). 2. The
scope of planned	scientific work to meet the parameters for DP (especially in terms of planned methods and benefits) The topics are prepareed by the	relevant superviso	rs and are
listed in the "PROJI	ECTS" system, and during the semester they are specified. To ensure the aforementioned conditions, the student cooperates with the	supervisor and the	e consultant
	ates in the adaptation. Pursuant to Act 111/1998 Coll. the student has the opportunity to design a topic for which the above conditions		-
of yearly pro	jects become the starting point for the second seminar, ie the Diploma Thesis Seminar 1, where the student elaborates further parts	s of the diploma the	esis.
F7PMSSDP1	Diploma Thesis Seminar I.	Z	2
The course is desig	ned to prepare students for the final work of FBMI CTU, which will demonstrate the student's own analytical and creative abilities as we	ll as his / her ability	to integrate
knowledge from the	e previous stages of study. The Diploma Thesis Seminar 1 follows up the subject Annual Project. The seminar is conceived as a conti	inuous and controll	ed work on
the methodology of	the student's research work. On the basis of the current state of the problem, the student will choose the appropriate methods for the	e Diploma Thesis s	olution and
develop a specific	chapter - Methods. The contents of the seminar are the presentation of the procedure, the selection of appropriate methods for proc	essing the student	s diploma
	thesis and their ongoing review and discussion. All students will present their research on Student Scientific Conference.		
F7PMSSDP2	Diploma Thesis Seminar II.	Z	2
The course is desig	ned to prepare students for the final work of FBMI CTU, which will demonstrate the student's own analytical and creative abilities as we	ll as his / her ability	to integrate
knowledge from the	previous stages of study. The Diploma Thesis Seminar 2 builds on the outputs of the Seminar for Diploma Thesis 1 and the Annual F	Project. The aim of	the seminar
is to teach student	s how to process the results and the discussion and thus bring the diploma work to a successful conclusion. Students will present 2 p	presentations of the	e progress,
the elaboration ar	nd the ongoing results of their diploma thesis and their continuous control and discussion. The student is also prepared for the final d	efense of his diplor	na thesis.
F7PMSSZZ			
	Strategy of Healthcare Facilities	KZ	3
	Strategy of Healthcare Facilities essful existence of each market entity is conditioned by a clear long-term strategy vision. Progressive competition, increased demand	· · · –	3
A long-term, succ		d for medical servic	3 es, higher
A long-term, succ	essful existence of each market entity is conditioned by a clear long-term strategy vision. Progressive competition, increased demand	d for medical service	3 es, higher cilities more
A long-term, succ	essful existence of each market entity is conditioned by a clear long-term strategy vision. Progressive competition, increased demand s and significant development of medical science characterise the state of contemporary healthcare. These facts make the management	d for medical service	3 es, higher cilities more
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