	Category (科目区分) Cluster of Social Medicine System					
((14日ムカ) Course Title 授業科目名)	Medical Inforamation System Practice				
	Instructors (担当者名)	Msasayuki KATAHIRA	<mark>Academic Year</mark> (配当年次)	1,2		
Rec Ele	quired course / ctive Cpourse 必修/選択)	Elective Course	Credits (単位数)	1		
	<mark>Class Format</mark> (授業形態)	Lecture (1-3, 6-8), Exercise (5-7, 9), Webclass on demand (4, 10)				
	<mark>Schedule</mark> (開講期間)	September 2022 \thicksim October 2022 (details of the schedule can be negotiated)				
	ass Date/Period 開講曜日・時間) Every Tuesday, 18:00−21:00(details of the schedule can be negotiated)					
Course Outline/ Course Objectives (授業の概要・到達目標) Course Outline: This course introduces and deepens the understanding of the requirements, implementation techniques, security of medical,hospital and healthcare information systems. Course Objectives: The goal of this course is to acquire the requirements, implementation techniques, and security required for medical,hospital and healthcare information systems and the ability to put these requirements into practice.						
Cour	r <mark>se Planning</mark> (授詞					
		/ Course Objectives(授業の概要及び到達目標) hts of Class) ((授業内容))	<mark>Instructor</mark> (担当教員名)	Department (講座名) Class Room 〔実施場所〕		
1	(Lecture) Requirem medical record syst In this class, explain information system	ents for medical information systems and electronic tems. (Scheduled for Sep. 6th) n the requirements that medical/hospital/healthcare s in the next era should have from both social and nds, and explain the technical requirements that should	ТВА	Department of Medical Informatics (Division of Medical Informatics Conference Room, Wing No.1 of the University Hospital B1F)		
2	(Lecture) Workflow and hospital information systems in medical institutions. (Scheduled for Sep. 13th) In this class, explain how information is used in medical institutions, i.e., workflow analysis, and its implementation techniques for electronic medical record systems. In addition, based on them, explain optimized user interface design method based on workflow and operation log analysis.		ТВА	Department of Medical Informatics (Division of Medical Informatics Conference Room, Wing No.1 of the University Hospital B1F)		
3	information. (Sched In this class, explain information exchan and communication information field in	ization and interoperability in medical/healthcare luled for Sep. 20th) n HL7 as an international standard for medical ge, DICOM as an international standard for ditital images for medicine, and other standards defined in the medical Japan and used in actual medical practice and deepen of interoperability of medical information.	ТВА	Department of Medical Informatics [Division of Medical Informatics Conference Room, Wing No.1 of the University Hospital B1F]		
4	(WebClass)Review	<i>i</i> using WebClass system	ТВА	Department of Medical Informatics (Webclass)		
5	medical institutions In this class, based analysis and system information system medical institutions	orkflow and system implementation technology in (Scheduled for Sep. 27th) on the knowledge learned in the class on workflow n interoperability, students will observe hospital s and regional medical cooperation systems of actual to deepen their understanding of interoperability.	ТВА	Department of Medical Informatics [Division of Medical Informatics Conference Room, Wing No.1 of the University Hospital B1F]		
6	information (Schedu The digitalization of and social trends su cards and online eli this class, explain t medical information	ise) Personal information protection in medical uled for Oct. 4th) f medical care has been promoted as a national policy, uch as the use of Individual Number Cards for insurance gibility verification have been started. In this class, In he points to keep in mind when handling highly sensitive and personal information, including the relationship with gulations, based upon actual clinical practice.	ТВА	Koromogawa Clinic [Division of Medical Informatics Conference Room, Wing No.1 of the University Hospital B1F]		

	Course Outline/ Course Objectives(授業の概要及び到達目標) (Contents of Class) ((授業内容))	<mark>Instructor</mark> (担当教員名)	Department (講座名) Class Room 〔実施場所〕		
7	(Lecture and Exercise) Cyber security in medical information networks (Scheduled for Oct. 11th) In this class, explain the security requirements for exchanging medical information, which is extremely confidential and of high public interest, through information networks, and deepen the understanding of the implementation techniques.	Associate Professor Masayuki KATAHIRA	Department of Medical Informatics [Computer Room, Reserch Building for Basic Medicine 1F]		
8	(Lecture) Usability and user experience of hospital information systems (Scheduled for Oct. 18th) In recent years, the majority of hospital operations have been carried out by information systems. In this class, explain in detail how to make business systems that are easy for medical professionals to use, from the perspective of usability and user experience, using computer operating systems, office applications, and hospital information systems as examples.	ТВА	Department of Medical Informatics [Division of Medical Informatics Conference Room, Wing No.1 of the University Hospital B1F]		
9	(Exercise) General discussion and report writing (Scheduled for Oct. 25th) In this class, a comprehensive discussion will be held to summarize the entire course.And students will be required to write a report on a topic chosen in advance from among the contents studied in this course.	ТВА	Department of Medical Informatics [Division of Medical Informatics Conference Room, Wing No.1 of the University Hospital B1F]		
10	(WebClass) Review using WebClass System. Report submission	ТВА	Department of Medical Informatics (Webclass)		
Grading Criteria (成績評価の基準と方法)					

A total of 45 hours (30 hours of class lectures and excersizes + 15 hours of out-of-class study) constitutes one unit. Grading will be decided comprehensively based on attitude, report, and participation.

Contact Information (問い合わせ先(氏名, メールアドレス等))

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Coment (その他特記事項)

Message: Due to the fact that the instructor has not yet been determined, this course may not be offered this year or the content of the course may be changed.

For working graduate students who are unable to attend due to work commitments, etc., the schedule can be adjusted. Therefore, students who wish to take this course must contact the person in charge of the course in advance.

Textbook/Reference Books: Materials will be distributed or references will be specified as necessary.