Category (科目区分)	Research subject		
Course Title (授業科目名)	Medical Informatics		
Instructors (担当者名)	Masayuki KATAHIRA	Academic Year (配当年次)	2, 3
Required Course / Elective Course (必修/選択)	Elective Course	Credits (単位数)	15
Class Format (授業形態)	Experimental practice		
Schedule (開講期間)	After registering for the course, the instructor will contact you by email.		
Class Date/Period (開講曜日・時間)	After registering for the course, the instructor will contact you by email.		

Course Outline/ Course Objectives (授業の概要・到達目標)

Course Outline: The development of information technology infrastructure is progressing in the medical field, including the spread of hospital information systems and electronic medical records.   The purpose of this course is to understand the ideal state of medical information systems as a social infrastructure and their development methods, and the class will be conducted mainly through explanations and discussions, including the latest findings.

Course Objectives：The goal is to obtain the Ph.D degree after publishing the prepared paper in an academic journal and passing the degree examination.
1. Explain the institutional background, regulations, and current trends of medical information systems as a social infrastructure and discuss the expected future image and the measures necessary to realize it, and to draw a future image with evidence.
2. Introduce the application of the latest technology to medical information systems, and discuss the respective points of focus and and implementation techniques so as to learn system development and evaluation methods.
3. Explain the information security technologies that are essential for handling medical information. Demonstrations and hands-on exercises will be included to deepen practical understanding.

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：For working graduate students who are unable to attend due to work commitments, etc., the schedule can be adjusted.
Textbook/Reference Books：Materials will be distributed or references will be specified as necessary.
Out of Class Study： Students are expected to do preparatory studies according to the objectives and contents of each class.