Category （科目区分）	Research subject		
Course Title （授業科目名）	Medical Informatics		
Instructors （担当者名）	Tetsuya Otsubo	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 infrastructure in the medical field is progressing, including the widespread adoption of hospital information systems and electronic medical/health records.
In this course, we will focus on explanations and discussions, incorporating the latest knowledge on medical information systems as social infrastructure, as well as the methodologies and methods for utilizing and managing such information.

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. This course provides an overview of the institutional background, regulations, and current trends related to medical information systems as social infrastructure. In addition, through discussions on the future vision and the necessary strategies for its realization, students will be guided to develop well-founded perspectives on the future of medical information systems.
2. Explain the methodology of data-driven approaches in healthcare and the characteristics of real-world data. Additionally, to enhance practical understanding, students will receive hands-on training through exercises and practical applications.

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

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Comment （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.