

2021 年度 第2学期 歯学部		日英区分: 英語
医療情報処理入門 Guide for Medical Information and Communication Technology		
■ 講義番号	■ 科目区分	■ 学期
075002		第2学期
■ ナンバリングコード	■ 教室	
NDGZ1DEDZ0—N		
■ 必修・選択の別		
■ 単位数	■ 曜日・時限	
1	金6金7	
■ 担当教員 (ローマ字表記)		
高柴 正悟 [TAKASHIBA Shogo]		

SDGs関連項目



■ 対象学生

■ 他学部学生の履修の可否

否

■ 連絡先

Professor Shogo Takashiba (Representative)
Department of Pathophysiology - Periodontal Science
E-mail: stakashi@okayama-u.ac.jp
Phone: 086-235-6675
Facsimile: 086-235-6679

(Information for Prof. Yanagi & Assist. Ogawa will be announced in Lecture.)

■ オフィスアワー

Contact us by using ICT anytime.

Office is open for students; 8:30 - 9:00 Monday, 17:00 - 17:30 Tuesday, and 8:30 - 9:00 Thursday at the office of Professor in Department of Pathophysiology - Periodontal Science located on the 7th Floor of Dental School Building.

It is strongly recommended to send e-mail at least a day before you come, because the schedule may be changed.

Use the official e-mail address provided by Okayama University, or your e-mail may be classified as junk/spam mail automatically.

■ 学部・研究科独自の項目

【Collection, processing, transmission of information】

Dental Education Model ・Core ・Curriculum (revised edition of 2016)

A Basic qualities and abilities required of a dentist

A-1 Professionalism

A-1-1) Medical ethics and bioethics

A-2 Medical knowledge and ability to deal with problems

A-2-1) Ability to explore and solve problems

A-2-2) Way of learning

A-4 Communication capacity

A-4-1) Communication

A-6 Medical quality and safety management

A-6-1) Secure safety

A-6-2) Countermeasures against medical accidents and prevention

使用言語

日本語

授業の概要

ICT technology necessary to learn in the dental department, through acquiring lectures and practical training

学習目的

Enable exchanges with others using the network in the university, collection and processing of information, self-expression safely.
In particular, you will acquire the basic use (including etiquette) of ICT to be used in the future such as e-mail, cloud, homepage etc.

到達目標

Learn the information literacy necessary for using the medical information system in clinical training etc.
In particular, practicing with knowledge related to information security such as protection of personal information

授業計画

Due to the COVID-19 crisis, this class will be open as online lecture.
However, the first class is as regular class in the PC Room at Interdisciplinary Education and Research Building

1st June 11, Friday * Interdisciplinary Education and Research Building (Bring your own PC.)

1. Introduction to medical information: 1) How to treat medical record (medical record) as medical information; 2) Positioning of medical information in society and Personal Health Record (PHR); 3) How to think of electronic medical record
2. Capture Okayama University ID: Let's set up gmail and prepare for comfortable use of handheld smartphones etc.
[Shogo Takashiba, Yoshinobu Yanagi, Tatsuyuki Ogawa, TA]

2nd June 18, Friday * Interdisciplinary Education and Research Building OR Online

1. Medical information ethics: 1) "ethics" in handling medical information; 2) handling of actual document files and protection of personal information
2. Get on Google: Learn how to communicate using student Gmail. Also, try using various Google services
[Shogo Takashiba, Yoshinobu Yanagi, Tatsuyuki Ogawa, TA]

3rd June 25, Friday * Interdisciplinary Education and Research Building OR Online

1. Medical information at the time of disaster: 1) the value of medical information at the time of disaster; 2) medical system at the time of disaster that can be searched
2. Used in Office: Learn the basic operations of Word, Excel, PowerPoint
[Shogo Takashiba, Yoshinobu Yanagi, Tatsuyuki Ogawa, TA]

4th July 2, Friday * Interdisciplinary Education and Research Building OR Online

1. Primary use and secondary use of medical information: 1) Primary use (use for diagnosis purpose use, use for preparing public documents of medical action); 2) Secondary use (use for hospital business management, social use, Planning and verification of medical policy, use for medical education (including postgraduate education / postgraduate training))
2. What would you ask for in the search? : Learn how to search literature necessary for studying at the dental school
[Shogo Takashiba, Yoshinobu Yanagi, Tatsuyuki Ogawa, TA]

5th July 9, Friday * Interdisciplinary Education and Research Building OR Online

1. Characteristics of the information system of the dental / robust area: 1) Characteristics of medical treatment in the dental / roocar area; 2) Systematic handling of the tooth site; 3) Dental reservation system; 4) Dental hygienists and dental technicians System involved; 5) Relationship between dental medical care scale and system
2. Let's summarize by examining: Let's summarize contents investigated according to your interest using Office
[Shogo Takashiba, Yoshinobu Yanagi, Tatsuyuki Ogawa, TA]

6th July 16, Tuesday * Interdisciplinary Education and Research Building OR Online

1. Medical dental collaboration
2. Prepare to tell: Think about cautions when publishing including PowerPoint and Web pages
3. Would you like to create a web page? : Let's make a homepage
[Shogo Takashiba, Yoshinobu Yanagi, Tatsuyuki Ogawa, TA]

7th July 30, Friday * Interdisciplinary Education and Research Building OR Online

1. Medical safety and medical information
2. Would you like to create a web page? : Let's make a homepage
[Shogo Takashiba, Yoshinobu Yanagi, Tatsuyuki Ogawa, TA]

8th August 6, Friday *Interdisciplinary Education and Research Building OR Online

1. Exam Mutual evaluation; What could you do? Let's see each other's works.

[Shogo Takashiba, Yoshinobu Yanagi, Tatsuyuki Ogawa, TA]

■ 授業時間外の学習(予習・復習)方法(成績評価への反映についても含む)

Having a home work (self-study in the information processing room is necessary)

■ 授業形態

(1)授業形態-全授業時間に対する[講義形式]:[講義形式以外]の実施割合

60% : 40%

(2)授業全体中のアクティブ・ラーニング

協働的活動(ペア・グループワーク、ディスカッション、プレゼンテーションなど)

やや少ない

対話的活動(教員からの問いかけ、質疑応答など)

やや少ない

思考活動(クリティカル・シンキングの実行、問いを立てるなど)

やや多い

理解の確認・促進(問題演習、小テスト、小レポート、授業の振り返りなど)

多い

(3)授業形態-実践型科目タイプ

Cタイプ 実習や演習だが社会連携したものではない

(4)授業形態-履修者への連絡事項

C type: It is practical training and exercises but not social cooperation

You should have a feeling / motivation to study yourself and improve yourself, even if you do not have prior knowledge.

Presentation as other content than lecture type and other self evaluation.

■ 使用メディア・機器・人的支援の活用

視聴覚メディア(PowerPointのスライドCD、DVDなど)

多い

学習管理システム(Moodleなど)

多い

人的支援(ゲストスピーカー、TA、ボランティアなど)

多い

履修者への連絡事項

PC at ICT Room (Interdisciplinary Education and Research Building)

■ 教科書

備考

A textbook for all students published by the Center for Information Technology and Management will be used.

■ 参考書等

備考

Reference books are introduced in lectures.

Materials available on the website of the Center for Information Technology and Management (<http://www.okayama-u.ac.jp/user/citmy/index.html>)

Materials available on the website for the staff of the Dental School (Only available in the Dental School network)

■ 成績評価の方法

Students must attend at least 2/3 of all lectures. Students will be comprehensively assessed for their essays, practical workshops, and exams. Students must submit their essays using e-mails or the cloud. The final exam is to construct a website express themselves, and another website to introduce the Dental School.

■ 受講要件

Mandatory for those involved in medical care

■ 教職課程該当科目

Not applicable

■ JABEEとの関連

Not related

■ SDGs関連項目

(保健)あらゆる年齢のすべての人々の健康的な生活を確保し、福祉を促進する。
(持続可能な生産と消費)持続可能な生産消費形態を確保する。

■ 実務経験のある教員による授業科目

Applicable

Members of Division of Medical Informatics, Okayama University Hospital are in charge (Two Professors are dentists).

■ 備考/履修上の注意

★ Lesson form ・Equipment used ★

Use educational PC in Shikata Campus.

In addition, there is also use of smartphone and home PC & Mac.

The faculties are in charge of practical work in Department of Medical Information, Okayama University Hospital.