

<b>Course title</b> <English>	医療技術の経済評価 Economic Evaluation of Medical Technologies		<b>Affiliated department, Job title, Name</b>	Graduate School of Medicine Professor, IMANAKA YUICHI Graduate School of Medicine Program-Specific Senior Lecturer, SASAKI NORIKO Graduate School of Medicine Program-Specific Senior Lecturer, KUNISAWA SUSUMU Graduate School of Medicine Program-Specific Senior Lecturer, OOTSUBO TETSUYA	
<b>Target year</b>	Professional degree students	<b>Number of credits</b>	1	<b>Course offered year/period</b>	2017/The first half of first semester
<b>Day/period</b>	Wed.4	<b>Class style</b>	Lecture	<b>Language</b>	Japanese and English
<b>[Outline and Purpose of the Course]</b>					
<ul style="list-style-type: none"> <li>• Lectures will address the theories and frameworks that support economic evaluations in health care, and students will learn the major research methods used in evaluating healthcare-related economic performance.</li> <li>• Economic evaluations of healthcare and medical technologies are usually conducted under practical constraints, and students will learn the approaches to conducting research under these conditions.</li> <li>• This course will examine economic evaluations in a wide range of healthcare-related topics.</li> </ul>					
<b>[Course Goals]</b>					
<ul style="list-style-type: none"> <li>• Students will be able to explain key issues in the theories, frameworks, and research methods that support economic evaluations of medical technologies including medication.</li> <li>• Students will understand the possible biases associated with research involving economic evaluations of medical technologies including medication.</li> <li>• Economic evaluations are conducted on various aspects of health care, including treatment techniques, pharmaceuticals, medical supplies, medical examinations, and health policy programs. Students will understand and be able to explain the differences and respective applications of the main research methods used in these evaluations, including cost analyses, cost-effectiveness analyses, cost-utility analyses, and cost-benefit analyses. Students will also learn the core concepts of cost calculations and outcome measurements, time-based concepts, discount rates, sensitivity analyses, incremental cost-effectiveness ratios, and the appropriate interpretation of analytical results.</li> <li>• Based on the above, students will be able to conduct critical reviews of research articles in this field and explain their significance. Students will also be able to apply their acquired knowledge and techniques when developing research protocols and conducting research.</li> </ul>					
<b>[Course Schedule and Contents]</b>					
<ol style="list-style-type: none"> <li>1. April 12 Evaluating the economic performance of health care 1</li> <li>2. April 19 Evaluating the economic performance of health care 2</li> <li>3. April 26 Economic evaluation methods in health care</li> <li>4. May 10 Methodologies in cost-effectiveness and cost-utility analyses 1</li> <li>5. May 17 Modeling in economic evaluations</li> <li>6. May 24 Methodologies in cost-effectiveness and cost-utility analyses 2</li> <li>7. May 31 Economic evaluation in health care: Journal article review and discussion 1</li> <li>8. June 07 Economic evaluation in health care: Journal article review and discussion 2</li> </ol> <p>Note: This schedule is subject to change. Overview of the schedule will be shown at the first day.</p>					
----- Continue to 医療技術の経済評価(2)					

## 医療技術の経済評価(2)

### [Class requirement]

This course is only open to students involved in MCR course.

### [Method, Point of view, and Attainment levels of Evaluation]

1. Report (70%)
2. Classroom participation (30%)

### [Textbook]

Reading materials will be distributed as needed

### [Reference books, etc.]

#### ( Reference books )

- Drummond MF, et al. Methods for the Economic Evaluation of Health Care Programmes, 3rd Ed. Oxford, 2005.
- Myriam Hunink. Decision Making in Health and Medicine: Integrating Evidence and Values. Cambridge, 2001.
- 医療制度・医療政策・医療経済 (丸善出版,2013)
- Handbook of Health Services Research (Springer Science+Business Media)

### [Regarding studies out of class (preparation and review)]

Both good preparation and review are needed.

### ( Others (office hour, etc.) )

- Places available for students without former experiences of studying economics.
- Our department has been accepting graduate students who are interested in research related to health care policies, health care management, and health care quality/safety/cost. (<http://med-econ.umin.ac.jp/int/>)

Note: Topics related to process and outcome measures, clinical practice variation, healthcare evaluations and assessments, hospital functional assessments, and healthcare quality & safety are included in the course “ Evaluation of Quality in Health Care ” (Wed.3, the last half of first semester). If you would like to learn about these topics, consider to apply for this course.

\*Please visit KULASIS to find out about office hours.