

科目ナンバリング		U-LAS70 10002 SE50					
授業科目名 <英訳>	ILAS Seminar-E2 :Decoding Human Diseases and Medicine (病気のバイオメディカルサイエンス) ILAS Seminar-E2 :Decoding Human Diseases and Medicine			担当者所属 職名・氏名	医学研究科 特定准教授 THUMKEO , Dean		
群	少人数群	単位数	2単位	週コマ数	1コマ	授業形態	ゼミナール(対面授業科目)
開講年度・ 開講期	2024・前期	受講定員 (1回生定員)	9 (9) 人	配当学年	主として1回生	対象学生	全学向
曜時限	火5	教室	共北11			使用言語	英語
キーワード	Human Diseases / Medicine / Immunology / Cancer / Biomedical Sciences						
【授業の概要・目的】							
<p>This ILAS seminar is designed to provide freshmen undergraduate students who are interested in medicine and health science, a brief introduction to pathophysiology of common human diseases and the current therapeutics. Students will start to learn from this seminar about basic anatomy and physiology of human body, and then subsequently the fundamental principles of some representative common diseases such as rheumatoid and cancer. Moreover, recent topics on obesity, aging and gut flora will also be discussed in this seminar through reading circles. Finally, students will conduct a presentation about the pathophysiology basis of a human disease of their interests and discuss about the current and future therapeutics.</p> <p>Also noted that language that is accessible to students without a medical background will be used in this seminar to help their understanding.</p>							
【到達目標】							
<p>By participating in this ILAS Seminar, students will gain fundamental knowledge of the current understanding of some representative common diseases in human.</p>							
【授業計画と内容】							
<p>The seminar comprises interactive lectures, reading circles, and student presentations. The first third of the semester will include interactive lectures by the instructor, the second third will focus on reading circles, and the final third will involve student presentations and discussions.</p> <p>1-7 Interactive Lectures (Handouts for each lecture will be uploaded on Panda):</p> <p>1: Introduction: Overview of the course objective and structure.</p> <p>2: Cell and Proteins: Understanding the fundamental building blocks of human body.</p> <p>3: Tissue and Body: Exploring the organization and function of tissues in human body.</p> <p>4: Inflammation: Studying the body ' s response to a variety of challenges, e.g. injury.</p> <p>5: Immunity and Immune Diseases: Exploring the complexity of the immune systems & diseases.</p> <p>6: Cancer: Learning about the mechanisms and therapeutics of cancer.</p> <p>7: Cancer Immunotherapy: Discussing recent breakthroughs in harnessing the immune system to fight cancer.</p> <p>8-10 Reading Circles (Reading materials will be provided by the instructor):</p> <p>8: Obesity: Understanding the causes of obesity and its consequences on our health.</p> <p>9: Aging: Exploring the latest understanding of aging mechanisms and their impact.</p> <p>10: Gut Flora: Studying the history of gut flora research and recent advances.</p> <p>11-13 Student ' s Presentation (Disease of Interest 1,2,3): _ _ _ _ _</p>							
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Each student presents on a specific disease of their interest, followed by group discussions.

14 Summary and Discussion:

Recapitulating key learnings from the course and engaging in the final discussion

15 Feedback

Note: The schedule is subject to adjustments based on the number of students and specific needs of the class.

【履修要件】

特になし

【成績評価の方法・観点】

Attendance and Active participation to the lectures (Weeks 1-7) (20%)

Active participation in reading circles (Weeks 8-10) (30%)

Quality of student presentations and discussions (Weeks 11-14) (40%)

A report (10%)

【教科書】

Handouts and reading materials will be provided when necessary.

【参考書等】

(参考書)

Ian Peate 『Fundamentals of Applied Pathophysiology: An Essential Guide for Nursing and Healthcare Students, 4th Edition』 (May 2021, Wiley-Blackwell) ISBN:978-1-119-69947-7

【授業外学修（予習・復習）等】

I recommend students to confirm the handouts for each lecture and the relevant reference textbook to learn about the lecture content in advance of the class. Handouts for each lecture will be uploaded on Panda approximately one week before each class.

【その他（オフィスアワー等）】

Consultation via email or online meetings such as Zoom is possible. For those students who prefer to discuss directly with the instructor, please arrange appointments by email in advance.