

7. Non-communicable diseases: neurological diseases
8. Introduction to communicable diseases: key concepts, routes of transmission, and global impact. AI in epidemic and pandemic management
9. Communicable diseases: HIV/AIDS
10. Communicable diseases: HPV
11. Communicable diseases: tuberculosis
12. Communicable diseases: COVID-19
13. AI in advancing drug discovery and clinical research
14. Challenges in AI implementation
15. Feedback

Changes in order and/or content may occur depending on the number of students and the specific needs of the class.

[履修要件]

Open to students from all majors, this course is designed to provide an understanding of the epidemiology of common diseases and to explore how science and technology work together to address today's health challenges.

[成績評価の方法・観点]

Attendance and active participation: 30%
Midterm assignment: 30%
Quality of student presentations and discussions: 40%

[教科書]

Gordis, L. 『Epidemiology (5th ed.)』 (Elsevier/Saunders, 2014) ISBN:978-1455737338

[参考書等]

(参考書)

Additional literature and references will be introduced during the lectures.

[授業外学修（予習・復習）等]

Reviewing lecture slides, completing quizzes, and doing homework will enhance understanding and reinforce learning in class. Lecture slides will be provided.

[その他（オフィスアワー等）]

If you have any questions, please feel free to email me or schedule a time to meet in person.

[主要授業科目（学部・学科名）]