

Medicine:

(http://ocw.u-tokyo.ac.jp/eng_courselist/286.html)

Introduction: The Graduate School of Medicine and the Faculty of Medicine take pride in their heritage as the oldest institution of medical education and research in Japan. The institution was founded in May 1858 (the 5th year of Ansei) as a smallpox vaccination clinic in Kanda Mitamagaie. We aim to enrich the environment that surrounds medical education and research. Incorporating Molecular Cell Biology, Molecular Genetics, Biophysics, Structural Biology, Biomedical Engineering, and Information Science, we have revealed the mechanism of the human body, etiology of diseases and its physiopathology.

Introduction to Pathology:

(http://ocw.u-tokyo.ac.jp/eng_courselist/446.html)

Lecture Notes: (http://ocw.u-tokyo.ac.jp/eng_courselist/448.html?teachcat=2)

Introduction to pathology

Cellular degeneration, Necrosis

Metabolic Diseases, Amyloidosis

Damage Repair, Regeneration

Introduction to Molecular Pathology

Circulatory Disorders

Arteriosclerosis, Diabetes Mellitus

Inflammation

Infectious Diseases

Immunity

Pathogenesis

Tumor Pathomorphology

Cancer and Interstitium

Cancer Epidemiology, Carcinogenesis

Oncogenes

Tumor Suppressor Genes

Biology of Cancer

Metastasis of Cancer

Human Tumor Virus

Molecular Diagnosis of Cancer

Clinical Bioinformatics:

(http://ocw.u-tokyo.ac.jp/eng_courselist/282.html)

Lecture Notes: (http://ocw.u-tokyo.ac.jp/eng_courselist/284.html?teachcat=2)

Clinical Medicine and Genome Science:

General Medicine - from a clinical viewpoint

Radiation and Diagnostic Imaging

Neurological Disorder - Ischemic & Hemorrhagic Strokes

Common Diseases & SNP Analysis (Diabetes)

Clinical Proteomics

Genome Statistics - Linkage Analysis and Related Analysis

Epidemiology and Clinical Research:

EBM and Clinical Epidemiology

Reference Search and Critical Reading

Clinical Testing Methodologies—Data Management (DM/ Statistics)

Clinical Testing Methodologies—Data Management (DM/ Statistics)

Clinical Research Informatics:

Introduction to Clinical Research Informatics

Informatics and Terminology

Data Warehouse Design in Clinical Research System

Introduction to Decision Making Support Informatics

Application of Genome Information to Clinical Research