

## Pharmaceutical Sciences

- 講義

**Introduction to Pharmaceutical Sciences 1** ... Fukui · Nishimura / 1st-year(1st semester)

**Introduction to Pharmaceutical Sciences 2** ... Takiguchi · Minakuchi · Kasahara / 1st-year(1st semester)

**Guide to Pharmacy 3** ... 全薬学部教授 / 1st-year(1st semester), 2nd-year(1st semester)

**Physical Chemistry 1** ... Chuman / 1st-year(2nd semester)

**Physical Chemistry 2** ... TANAKA / 1st-year(1st semester)

**Physical Chemistry 3** ... TANAKA / 3rd-year(1st semester)

**Analytical Chemistry 1** ... TANAKA / 1st-year(2nd semester)

**Analytical Chemistry 2** ... Chuman / 2nd-year(1st semester)

**Analytical Chemistry 3** ... Takeuchi / 3rd-year(1st semester)

**Basic Organic Chemistry 1** ... Sano / 1st-year(1st semester)

**Basic Organic Chemistry II** ... Otaka / 1st-year(2nd semester)

**Basic Organic Chemistry 3** ... Ochiai / 1st-year(2nd semester)

**Organic Chemistry 4** ... Ooi / 2nd-year(1st semester)

**Applied Organic Chemistry 1** ... Yoshida / 2nd-year(1st semester)

**Applied Organic Chemistry 2** ... Minakawa / 2nd-year(2nd semester)

**Bio-organic Chemistry** ... Otaka / 2nd-year(2nd semester)

**Medicinal Organic Chemistry** ... Sano / 3rd-year(1st semester)

**Natural Medicines 1** ... Kashiwada / 2nd-year(1st semester)

**Natural Medicines 2** ... Takaishi · Kashiwada / 2nd-year(2nd semester)

**Natural Medicines 3** ... Takaishi / 3rd-year(1st semester)

**Biopharmacy 1** ... Yamazaki / 1st-year(1st semester)

**Biopharmacy 2** ... Yamashita / 1st-year(2nd semester)

**Biopharmacy 3** ... Arakaki / 2nd-year(2nd semester)

**Biochemistry 1** ... Kasahara / 1st-year(1st semester)

**Biochemistry 2** ... Yoshimura / 1st-year(2nd semester)

**Biochemistry 3** ... Tanaka / 2nd-year(1st semester)

**Biochemistry 4** ... Yoshimura / 3rd-year(1st semester)

**Physiology** ... Mizuguchi / 4th-year(1st semester)

**Gene Technology** ... Itou / 3rd-year(1st semester)

**Cell Biology 1** ... Yamazaki / 1st-year(2nd semester)

**Cell Biology 2** ... Shinohara / 3rd-year(1st semester)

**Cell Biology 3** ... Arakaki / 3rd-year(2nd semester)

**Pharmaceutical Health Sciences 1** ... Tokumura · Mikasa / 2nd-year(1st semester)

**Pharmaceutical Health Sciences 2** ... Tanaka / 2nd-year(2nd semester)

**Environmental Pharmacy** ... Tokumura · 小西 壽久 / 3rd-year(1st semester)

**Basic Clinical Pharmacy 1** ... Kiwada / 1st-year(1st semester)

**Basic Clinical Pharmacy 2** ... Fukui / 2nd-year(1st semester)

**Basic Clinical Pharmacy 3** ... Fukui · Kosaka · Maeyama / 2nd-year(2nd semester)

**Basic Clinical Pharmacy 4** ... Ishida / 3rd-year(1st semester)

**Basic Clinical Pharmacy 5** ... Kiwada / 3rd-year(1st semester)

**Pharmacotherapy 1** ... Takiguchi / 3rd-year(1st semester)

**Pharmacotherapy 2** ... Tsuchiya / 3rd-year(2nd semester)

**Pharmacotherapy 3** ... Kasahara / 4th-year(1st semester)

**Pharmacotherapy 4** ... Yamazaki / 4th-year(1st semester)

**Drug Informatics 1** ... Yamauchi / 3rd-year(2nd semester)

**Drug Informatics 2** ... Takiguchi / 3rd-year(2nd semester)

**Physical Pharmacy 1** ... Saito / 1st-year(2nd semester)

**Physical Pharmacy 2** ... Ueno / 2nd-year(1st semester)

**Japanese Pharmacopoeia** ... TANAKA · Kiwada / 3rd-year(2nd semester)

**Drug Development 1** ... Ooi / 1st-year(2nd semester)

**Drug Development 2** ... Otaka / 3rd-year(2nd semester)

**Drug Development 3** ... Itou · Tsuchiya / 2nd-year(2nd semester)

**Social Pharmacy 1** ... Konishi / 3rd-year(2nd semester)

**Social Pharmacy 2** ... Azuma / 4th-year(1st semester)

**Advanced Clinical Pharmacy 1** ... Kiwada · Takiguchi · Kawazoe / 4th-year(2nd semester)

**Advanced Clinical Pharmacy 2** ... Fukui · Tsuchiya · Yamauchi · Ishida / 4th-year(2nd semester)

**English for Pharmaceutical Sciences 1** ... 全薬学部教授 / 2nd-year(2nd semester)

**English for Pharmaceutical Sciences 2** ...全薬学部教授/3rd-year(2nd semester)

**Pathology** ...Izumi/3rd-year(2nd semester)

**Pathology** ...Human Pathology/3rd-year(2nd semester)

**Integrative Medicine** ...Takaishi・Kashiwada/4th-year(1st semester)

**Neuroscience** ...Yoshimura/4th-year(1st semester)

**Structural Biology** ...Shinohara/2nd-year(2nd semester)

**Drug Safety Study** ...Yamauchi/4th-year(1st semester)

**Pharmacoinformatics** ...Chuman/3rd-year(1st semester)

**Inorganic Chemistry** ...Ueno/3rd-year(1st semester)

**Pharmacoeconomics** ...Sato/4th-year(1st semester)

**Medicinal Chemistry 1** ...Ochiai/3rd-year(1st semester)

**Clinical Psychology** ...Sato・Hara・Sakai・Uchiumi・Fukumori/4th-year(2nd semester)

**Internal Medicine 1** ...Fujinaka・Aihara・Endo・Takeuchi・Asanuma・Sato・Matsui  
・Izumi/4th-year(1st semester)

**Internal Medicine 2** ...Akaike・Iwase・Soeki・Yamada・Wakatsuki・Okahisa/  
4th-year(1st semester)

**Internal Medicine 3** ...Azuma・Kishi・Goto・Kakiuchi・Kinoshita・Tada・他/  
4th-year(1st semester)

● 実習

**Practice in Analytical Chemistry** ...Takeuchi・TANAKA/2nd-year(1st semester)

**Practice of Physical Chemistry 1** ...Saito・Ueno/2nd-year(1st semester)

**Practice in Physical Chemistry 2** ...Chuman・Yoshida/2nd-year(1st semester)

**Organic Chemistry Laboratory 1** ...Sano・Nakao/2nd-year(1st semester)

**Organic Chemistry Laboratory 2** ...Shishido・Ochiai・Yoshida・Miyamoto/  
2nd-year(1st semester)

**Organic Chemistry Laboratory 3** ...Otaka・Minakawa・Nemoto・Ooi・Shigenaga  
/2nd-year(1st semester)

**Practice of Biochemistry 1** ...Yoshimura/2nd-year(1st semester)

**Practice of Biochemistry 2** ...Itou・Shinohara・Tsuji・Yamamoto/2nd-year(2nd  
semester)

**Practice of Biochemistry 3** ...Arakaki・Shibata/2nd-year(2nd semester)

**Practice of Biochemistry 4** ...Fukui・Mizuguchi・Horio/2nd-year(2nd semester)

**Pharmacognosy Experiment** ...Takaishi・Kashiwada/2nd-year(1st semester)

**Practice of Biopharmaceutics** ...Kiwada・Ishida/3rd-year(1st semester)

**Practice of Health Chemistry** ...Tokumura・Tanaka/2nd-year(1st semester)

**Pharmacy Experience** ...全薬学部教員/1st-year(1st semester), 2nd-year(1st semester)

**Pharmacy Practice・Pretraining** .../4th-year(2nd semester)

**Pharmacy Practice・Hospital Pharmacy** .../5th-year(whole year)

**Pharmacy Practice・Community Pharmacy** .../5th-year(whole year)

● 演習

**演習 I(能動学習)** ...Tsuchiya・Azuma・Yamazaki・Yamauchi/1st-year, 2nd-year, 3rd-year,  
4th-year, 5th-year, 6th-year

**Practice for Pharmacotherapy Case Study** ...Molecular Cell Biology  
and Medicine・Medical Pharmacology・Pharmaceutical Information Science・Clinical  
Pharmacology・Drug Metabolism and Therapeutics・臨床薬学実務教育室/6th-year(whole  
year)

● 卒業研究

**卒業研究** ...Molecular Cell Biology and Medicine・Pharmaceutical Information Science  
・Medical Pharmacology・Pharmaceutical Health Chemistry・Molecular Medicinal  
Chemistry・Bioorganic Synthetic Chemistry・Pharmaceutical Organic Chemistry・Organic  
Synthesis・Marine Medicinal Resources・Medicinal Biotechnology・Natural Medicines・  
Molecular Cell Biology and Medicine・Clinical Pharmacology・薬剤学・Drug Metabolism  
and Therapeutics・Physical Pharmacy・Theoretical Chemistry for Drug Discovery・  
Molecular and Pharmaceutical Biotechnology・Clinical Pharmacy・蛋白質発現分野・  
Applied Internal Medicine/3rd-year(2nd semester), 4th-year(whole year), 5th-year(whole  
year), 6th-year(whole year)