

<<Last Updated:2023/12/27>>

Course Schedule Information

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| Course Code | 271286 |
| Semester | Spring Term |
| Day and Period | Mon5 |
| Course Name (Japanese) | Current Topics 2 |
| Room | Lecture Room B |
| Course Name | Current Topics 2 |
| Capacity | 999 |
| Course Numbering Code | 27ADPS6T147 |
| Credits | 1.0 |
| Student Year | 1,2 |
| Instructor | NAKAGAWA Shinsaku, TSUTSUMI Yasuo, HASHIMOTO Hitoshi, KONDO Masuo, HIGASHISAKA Kazuma, KASAI Atsushi, HINO Nobumasa |
| Course of Media Class | Not Applicable |

※About Course of Media Class

"Course of Media Class" are classes in which more than half of the classes are held in places other than classrooms by making advanced use of various media.

Undergraduate students can include up to 60 credits in media class course as requirements for graduation. Even if this is not the case, we may hold classes using the media.

Basic Syllabus Information

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| Other | |
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Detailed Syllabus Information

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| Course Subtitle | Action(effects) and dynamics/kinetics | |
| Language of the Course | English | |
| Type of Class | Lecture Subject | |
| Course Objective | The effects (or side effects in some cases) of drug therapy are manifested by the drugs being absorbed into the body, distributed to various organs and tissues, and modifying the functions of the body. Drugs that enter the body are eliminated from the body through metabolism and excretion. In drug therapy, it is important to understand the relationship between drug usage/dose and changes in drug concentration in vivo, as well as the relationship between exposure to drugs in vivo and expected actions and side effects. In this lecture, we will study the latest research contents as examples for the purpose of deepening these understandings. | |
| Learning Goals | By understanding the latest research results in biopharmaceutics, pharmacology, and toxicology, students can refer to their future research activities. | |
| Requirement / Prerequisite | Students who have passed the graduate school entrance examination. | |
| Class Plan | 1st | 2023/4/17 Period:4 Title:Harmonization of epithelium-targeted drug development and regulation for clinical application (1) |
| | | Regulation for clinical application is reviewed. |
| | | Instructor : Masuo KONDOH |
| | | Room : |
| | 2nd | 2023/4/24 Period:5 Title:Current topics of research on neuroscience |
| | | Research on neuroscience is reviewed. |

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| | Instructor : Atsushi KASAI |
| | Room : |
| 3rd | 2023/5/8 Period:5 Title:Current topics of cytokine therapy |
| | Cytokine therapy is reviewed. |
| | Instructor : Yasuo TSUTSUMI |
| | Room : |
| 4th | 2023/5/15 Period:5 Title:Current topics of NanoToxicology (NanoTox) |
| | NanoToxicology (NanoTox) is reviewed. |
| | Instructor : Kazuma HIGASHISAKA |
| | Room : |
| 5th | 2023/5/22 Period:5 Title:From Stem Cells to Biomimetic Vehicles: Biological Strategies for DDS |
| | Stem cells as biological carriers for targeting drug delivery, as well as biomimetic vehicles derived from them, are reviewed. |
| | Instructor : Shinsaku NAKAGAWA |
| | Room : |
| 6th | 2023/5/29 Period:5 Title:Protein engineering and pharmaceutical applications |
| | Protein engineering and pharmaceutical applications are reviewed. |
| | Instructor : Nobumasa HINO |
| | Room : |
| 7th | 2023/6/5 Period:5 Title:Current topics of research on brain disorders |
| | Research on brain disorders is reviewed. |
| | Instructor : Hitoshi HASHIMOTO |
| | Room : |
| 8th | 2023/6/12 Period:5 Title:Harmonization of epithelium-targeted drug development and regulation for clinical application (2) |
| | Regulation for clinical application is reviewed. |
| | Instructor : Masuo KONDOH |
| | Room : |
| Independent Study Outside of Class | |
| Textbooks | Latest papers and topics |
| Reference | |
| Grading Policy | Submission of reports according to lecture content and class participation will be evaluated. Evaluation items: Report of lecture content : 85 points Attitude toward the class: 15 points Total 100 points will be used for evaluation. |
| Attendance and Student Conduct Policy* | |
| Other Remarks | |
| Special Note | |
| Office Hour | Shinsaku NAKAGAWA <Tuesday, 13:00 - 14:00> Yasuo TSUTSUMI <Tuesday, 13:00 - 14:00> Kazuma HIGASHISAKA <Friday, 10:00 - 16:00> Masuo KONDOH <Monday, 12:00 - 13:00> Nobumasa HINO <Monday, 14:00-16:00> Hitoshi HASHIMOTO <Monday, 12:00-13:00> Atsushi KASAI <Monday, 12:00-13:00> |
| Keywords | |

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| Messages to Prospective Students | |
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Instructor(s)

| Instructor Name | Extension |
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| Hitoshi HASHIMOTO | 8180 |
| Atsushi KASAI | 8183 |
| Yasuo TSUTSUMI | 8230 |
| Kazuma HIGASHISAKA | 8231 |
| Shinsaku NAKAGAWA | 8175 |
| Nobumasa HINO | 8176 |
| Masuo KONDOH | 8195 |

Cautions for Students

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