

## Syllabus Reference

Course title	Special Lectures in Physiological Sciences 2	
Term	通年(前期開始) Whole Year	
Credit(s)	1	
The main day		The main period
Program/Department	48 Physiological Sciences	
Lecturers	Yoshimura, Nishida, Kubo, Isoda et al.	
成績評価区分 Grading Scale	A, B, C, Dの4段階評価 Four-grade evaluation	
レベル Level	Level 3	
力量 Competence	専門力 Academic expertise、独創性 Creativity	

## Instructor

## Full name

\* YOSHIMURA YUMIKO

KUBO YOSHIHIRO

ISODA MASAKI

NISHIDA MOTOHIRO

FUKUNAGA MASAKI

NISHIJIMA KAZUTOSHI

ENOKI RYOSUKE

Outline	Lectures describing recent progress and cutting-edge techniques in the physiological science field.
Learning objectives	To acquire new knowledge and a wide range of information in physiological sciences
Grading policy	<p>Attendance of at least half of each of the first half (1st to 4th lectures) and the second half (5th to 8th lectures) is required for credit acquisition.</p> <p>After the first semester, students are required to select one lecture from the first 4 lectures (1st-4th) and prepare and submit a report (about 600 words in English). Submission deadline: Wednesday, July 17, 2024</p> <p>After the end of the second semester, choose one lecture from the last 4 lectures (the 5th to the 8th) and submit a report (about 600 words in English). Submission deadline: Wednesday, February 5, 2025</p> <p>The grade is determined based on the quality of the submitted report, which is indicated by A (corresponding to score 80-100), B (70-79), C (60-69), or D (less than 60): A, B or C is 'passed.'</p>
Lecture Plan	<p>Schedule</p> <p>The 1st: April 24, 2024 (Zoom) "Cardiocirculatory dynamism unraveled by redox &amp; energy metabolism" Motohiro Nishida (Division of Cardiocirculatory Signaling)</p> <p>The 2nd: May 15, 2024 (Zoom) "Dynamic aspects of the structure and function of ion channels" Yoshihiro Kubo (Division of Biophysics and Neurobiology)</p> <p>The 3rd: June 19, 2024 (Zoom) "Physiological understanding of social brain function" Masaki Isoda (Division of Behavioral Development)</p>

	<p>The 4th: July 3, 2024 (Zoom)  “Experience-dependent development of neuronal circuits in the visual cortex”  Yumiko Yoshimura (Division of Visual Information Processing)</p> <p>The 5th: October 23, 2024 (Zoom)  “Structure-function of biomolecules and its analysis method”  Kazuyoshi Murata (Division of Structural Biology)</p> <p>The 6th: November 20, 2024 (Zoom)  “Physiological Mechanism of the Circadian Clock”  Ryousuke Enoki (Division of Biophotonics)</p> <p>The 7th: December 4, 2024 (Zoom)  “Structural and functional analysis of the living brain using MRI”  Masaki Fukunaga (Section of Brain Function Information)</p> <p>The 8th: January 22, 2025 (Zoom)  “Experimental animal model in lipid metabolism”  Kazutoshi Nishijima (Center for Animal Resources and Collaborative Study)</p>
Location	Online using Zoom or onsite (Lecture room, NIPS Myodaiji Building 1F or Seminar room B of the Yamate 3rd Building 9F)
Language	English
Textbooks and references	None
Notes for students of other programs	Students in courses other than the Physiological Sciences course should contact the following email address before enrolling in the course. sokendai-adm@nips.ac.jp
Others	D1 and D2 students in the Physiological Sciences course are strongly recommended to take this class. Students from all courses are also welcome.
Contact for Course Inquiries	The NIPS Graduate School Contact sokendai-adm@nips.ac.jp

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## Syllabus Reference

Course title	Special Lectures in Physiological Sciences 2	
Term	通年(後期開始) 2nd - 1st	
Credit(s)	1	
The main day		The main period
Program/Department	48 Physiological Sciences	
Lecturers	Yoshimura, Nishida, Kubo, Isoda et al.	
成績評価区分 Grading Scale	A, B, C, Dの4段階評価 Four-grade evaluation	
レベル Level	Level 3	
力量 Competence	専門力 Academic expertise、独創性 Creativity	

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