

Medical Neuroscience**(SCBM 312) 2/2025****Total Credit: 3 (2-2-5)****Duration: 05 January 2026 – 11 April 2026****Lecture room: P401 or L04****Laboratory room: MDL-1 or MDL-4**

	Date	Time	Lect	Lab	Topics	Instructors	Room
Lect. 1	Mon, 5 Jan 26	9.00-10.00	1		Course orientation and Introduction to overview in neuroanatomy	NJ	P401
Lect. 2	Mon, 5 Jan 26	10.00-12.00	2		Anatomical structures and organization of nervous system	LY	P401
Lab. 1	Wed, 7 Jan 26	9.00-12.00		3	External morphology	LY*, MSY YT, NJ	MDL 1
Lect. 3	Mon, 12 Jan 26	9.00-11.00	2		Concept of internal structures, thalamic nuclei, and overview of their correlation to upstream and downstream structures	MSY	P401
Lect. 4	Mon, 12 Jan 26	11.00-12.00	1		Concept in Development of the Nervous system	MSY	P401
Lab. 2	Wed, 14 Jan 26	9.00-12.00		3	Internal morphology I (Internal structures of the Brain)	MSY*, NJ, YT, PP,	MDL 1
Lect. 5	Mon, 19 Jan 26	9.00-12.00	3		Role of brainstem and cranial nerve nuclei	KC	P401
Lab. 3	Wed, 21 Jan 26	9.00-12.00		3	Internal morphology II (Internal structures of the Brain)	KC*, LY, SL, YT	MDL 1
Lect. 6	Mon, 26 Jan 26	9.00-11.00	2		Meninges, ventricular system, CSF and intracranial circulatory system	KC	P401
Lab. 4	Wed, 28 Jan 26	9.00-12.00		3	Cerebrovascular system and ventricle	KC*, NJ, LY, MSR	MDL 1
Lect. 7	Mon, 2 Feb 26	9.00-12.00	3		Receptor of Perceptions, Somatosensory, Craniosensory systems (conscious and unconscious perceptions), Special sensation I (taste)	PP	P401
Lab. 5	Wed, 4 Feb 26	9.00-12.00		3	Internal structures related to somato, Craniosensory pathway	PP*, NJ, MSY, LY	MDL 1
SG 1	Mon, 9 Feb 26	9.00-12.00		3	Small group conference I (Clinical case discussion in somato-, cranio-sensory pathways)	KC, SL, PP, MSY	G1:K126, KC G2:K128, SL G3:K130, PP G4:K132, MSY
FLE 1	TBA	TBA			Formative Laboratory Examination (Online)	NJ, LY	Online
Mid-Exam	Mon, 16 Feb 26	9.00-12.00			Exam I: Midterm (Lect.1-7)	NJ	MDL 3
	Mon, 16 Feb 26	13.00-15.00			Exam I: Midterm (Lab.1-5)	LY, MSY, KC, PP, NJ	MDL 4
Lect. 8	Wed, 18 Feb 26	8.00-9.00	1		Special sensation II (visual pathway)	CS	B 401
Lect. 9	Mon, 23 Feb 26	9.00-10.00 10.00-12.00	3		Special sensation II (central control of eye movement) Special sensation III (hearing pathway and balance pathway)	CS	P 401
Lab. 6	Wed, 25 Feb 26	9.00-12.00		3	Special sense pathways (visual, hearing, balance)	CS*, KC, SL, PP	MDL 1
Lect. 10	Mon, 2 Mar 26	9.00-11.00	2		Basal ganglia	MSR	P 401
Lect. 11	Wed, 4 Mar 26	9.00-11.00	2		Cerebellum and Hypothalamus	YT	P 401
Lab. 7	Mon, 9 Mar 26	9.00-12.00		3	Integration of external and internal structures related with basal ganglia and Cerebellum	MSR*, YT*, SL, CS	MDL 1
Lect. 12	Wed, 11 Mar 26	9.00-11.00	2		Descending tract motor system	MSR	B 401
Lect. 13	Wed, 11 Mar 26	11.00-12.00	1		Spinal cord and spinal reflexes	SL	B 401

Lab. 8	Mon, 16 Mar 26	9.00-12.00		3	Motor pathway tracts and Spinal cord	MSR*, MSY, CS, SL	MDL 1
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Period	Date	Time	Lect	Lab	Topics	Instructors	Room
Lect. 14	Wed, 18 Mar 26	9.00-10.00	1		Brain Imaging techniques and their applications	SL	B 401
Lect. 15	Wed, 18 Mar 26	10.00-12.00	2		Limbic system and Special sensation IV (Smell)	NJ	B 401
Lect. 16	Mon, 23 Mar 26	9.00-11.00	2		Cerebral cortex and higher cortical function	NJ	P 401
SG 2	Mon, 30 Mar 26	9.00-12.00		3	Small group: Clinical cases discussion (SG) in motor deficits	SL, YT, PP, MSR	G1:K126, SL G2:K128, YT G3:K130, PP G4:K132, MSR
FLE 2	TBA	TBA			Formative Laboratory Examination (Online)	NJ, LY	Online
Final-Exam	Wed, 8 Apr 26	9.00-12.00			Exam II: Final (Lab.6-8)	CS, MSR, YT, NJ, SL	MDL1
	Fri, 10 Apr 26	9.00-12.00			Exam II: Final (Lect.8-16)	LY	MDL4
Total Hour			30	30			

Note: *Head Lab & Post-test

Course coordinators

Assoc. Prof. Nopporn Jongkamolwivat (NJ)

Asst. Prof. Laphatrada Yurasakpong (LY)

Room

AN103

AN105

Tel.

0 2201 5421

0 2201 5420

Instructors

Assoc. Prof. Kulthida Chaithirayanon (KC)

Assoc. Prof. Yotsawan Tinikul (YT)

Asst. Prof. Chinnawut Suriyonplengsaeng (CS)

Asst. Prof. Morakot Sroyraya (MSY)

Asst. Prof. Dr. Monsicha Somrit (MSR)

Asst. Prof. Dr. Phetcharat Phanthong (PP)

Asst. Prof. Dr. Athikhun Suwannakhan (AS)

Dr. Supanat Lumbikananda (SL)

B110

B126

B116

B112

B122

AN103

AN109

AN102

Academic Assisting staffs

Trittamon Phattanakiatsakul

Waraporn Muebsri

AN2-105

B106

Materials That Will Be Provided

- Lecture handout from PowerPoint presentation
- Formative and post-test evaluation online
- Cadaveric and picture specimen

Student Assessment

1. Written Examination (40%)
2. Laboratory Examination (30%)
3. Lecture Pre-Test and Laboratory Post-test & Attendance (15%)
4. Small Group Presentation (15%)

