

## Course Syllabus

### MBNS 695 Seminars in Current Research in Neuroscience

Academic Year 2025

**Course ID and Name:** MBNS 695 Seminars in Current Research in Neuroscience

**Course Coordinator:** Siraprapa Boobphahom, Ph.D.

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#### Instructors:

1. Prof. Banthit Chetsawang
2. Assoc. Prof. Nuanchan Chutabhakdikul
3. Assoc. Prof. Vorasith Siripornpanich
4. Assoc. Prof. Sujira Mukda
5. Asst. Prof. Sukonthar Ngampramuan
6. Asst. Prof. Jiraporn Panmanee
7. Lect. Dr. Siraprapa Boobphahom
8. Lect. Dr. Ekkaphot Khongkla
9. Lect. Dr. Sumeth Klomchitcharoen

#### Supporting Staff:

1. Ms. Somsong Phengsukdaeng
2. Mr. Prapan Premsawat

**Credits:** 1 (1-0-2)

**Curriculum:** Master of Science Program in Neuroscience (required course)

**Semester offering:** Second semester

**Pre-requisites:** MBNS 691 Seminar in Neuroscience

#### Course learning outcomes (CLOs):

Upon completion of this course, students are able to:

1. Read and critique scientific articles and deliver effective oral presentations (PLO1) P, (PLO2) P, (PLO4) P, (PLO5) P
2. Present scientific articles by using appropriate information and communication technologies (PLO5) P
3. Demonstrate the ability to design research studies to address research questions (PLO3) P, (PLO5) P

**Alignment of teaching and assessment methods to course learning outcome:**

Course learning outcome	Teaching method	Assessment method
1. Read and critique scientific articles and deliver effective oral presentations	(1) Assignment (2) Class discussion	(1) Formative assessment using scoring rubric (2) Oral presentation (3) In-class discussion
2. Present scientific articles by using appropriate information and communication technologies	(1) Assignment (2) Class discussion	(1) Formative assessment using scoring rubric (2) Oral presentation (3) In-class discussion
3. Demonstrate the ability to design research studies to address research questions	(1) Assignment (2) Class discussion	(1) Formative assessment using scoring rubric (2) Oral presentation (3) In-class discussion

**Course description:**

Presenting and discussing articles about the current research in neuroscience; the research articles integration; the correlation of selected research topics with the thesis research

**Course schedule:**

Date: Thursday, 15 January 2026 – 12 March 2026

Time: 9.00-12.00

Venue: MaSHARES Co-working Space and room A107, Institute of Molecular Biosciences

	Date/ Time	Topic	Speaker
1	<b>15 Jan 2026</b>		
	13.30-15.30 (online)	Course orientation	Dr. Siraprapa
2	<b>19 Feb 2026</b> 10:00 - 12:00	<b>Guest seminar:</b> <i>Cognition, clocks, and computation: cognitive decline and epigenetic aging in monkeys – bridging computational biology and translational neuroscience</i>	Dr. Lalitta Suriya-Arunroj
3	<b>26 Feb 2026</b>		
	09.00 - 10.30	- To be announced -	MBNS695 <i>Patcharapha</i> <i>Poonthawatsanti</i>
	10.35 - 12.00	- To be announced -	MBNS695 <i>Audri Laurrier Das</i>
4	<b>5 Mar 2026</b>		
	09.00 - 10.30	- To be announced -	MBNS794 <i>Ph.D. student</i>
	10.35 - 12.00	- To be announced -	MBNS794 <i>Ph.D. student</i>
5	<b>12 Mar 2026</b>		
	10.00 – 11.30	- To be announced -	MBNS691 <i>Audri Laurrier Das</i>

Students must submit the seminar topic, the abstract, and reference papers (approved by mentor) by the following due dates:

**Date:** 7 Feb 2026, **Time:** 16.30

**Please email to** Siraprapa.boo@mahidol.ac.th

**Email topic:** Submit Seminar “First name- Surname”

**Zoom link:** Join Zoom Meeting

<https://zoom.us/j/93572061812?pwd=ZFSeelLBQQZUwP5QBvW7OTwzTYLDSR.1>

Meeting ID: 935 7206 1812

Passcode: 667065

**Assessment Criteria:**

Assessment Criteria	Assessment Method	Scoring Rubric
Seminar Preparation (20%)	(1) Assessment student's processes to preparing the seminar presentation	(1) Responsibility and Punctuality (2) Problem solving and critical thinking skills (3) Ethical conduct
Presentation (50%)	(1) Assess scientific presentation skills using the rubric scores	(1) Comprehension (2) Ability to apply knowledge to delivered presentation in a clear and engaging manner (3) Ability to develop research questions (4) Ability to answer questions
Class participation (20%)	(1) Direct observation (2) Class discussion	(1) Student demonstrates as an active audience during seminar such as discussion, asking questions, and comments on other's presentation.
Class attendant (10%)	(1) Number of classes signed in (2) Direct observation	(1) Percentage of attending the seminar classes

Student's achievement will be graded using symbols: A, B+, B, C+, C, D+, D and F based on the criteria as follows:

Percentage	Grade	Description
85-100	A	Excellent
80-84	B+	Very good
70-79	B	Good
60-69	C+	Fairly good
50-59	C	Fair
45-49	D+	Poor
40-44	D	Very poor
< 40	F	Fall

**Date revised:** 8 January 2026

## SEMINAR IN NEUROSCIENCE II

### EVALUATION FORM [M.Sc.]

Course: MRNS 695 (Seminars in Current Research in Neuroscience) Year: ..... Semester: 2 Credit: (1-0-2)

Seminar speaker: ..... Date: .....

Seminar title: .....

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PLEASE USE THE RATING SCALE BELOW TO EVALUATE THE STUDENT'S PRESENTATION.

Evaluation Items	Unsatisfied	Poor	Fair	Good	Very Good
	1	2	3	4	5
<b>Seminar contents</b> 40%					
Introduction serves to logically present the background information and coverage main reference articles	1	2	3	4	5
Understanding of materials and methods	1	2	3	4	5
Adequate explanation of tables and graphs	1	2	3	4	5
Clearly describe and adequately interpret the data	1	2	3	4	5
Discuss the results meaningfully	1	2	3	4	5
Adequately discuss the limitations of the studies	1	2	3	4	5
Profound understanding of the topic presented	1	2	3	4	5
<b>Presentation performance</b> 20%					
Quality of power point presentation slides (concise and well-organized content, format consistency)	1	2	3	4	5
Delivered presentation in a clear and engaging manner	1	2	3	4	5
English proficiency and proper use of scientific terminologies	1	2	3	4	5
Ability to speak without reliance on verbatim reading notes.	1	2	3	4	5
Eye-contact with audiences, avoid distracting mannerisms	1	2	3	4	5
Ability to present the topic in appropriate time (45-50 min)	1	2	3	4	5
<b>Answering the questions</b> 20%					
Answer with clear and concise, response directly to the point.	1	2	3	4	5
Respond confidently to the questions	1	2	3	4	5
<b>Ability to develop future research question</b> 20%					
Create future research questions with clear rationale	1	2	3	4	5
Research question demonstrate integration of previous knowledge	1	2	3	4	5
Total (100%)					

Comments, Constructive Criticism, Suggestions and Explanation of Ratings:

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Evaluator.....