Course Syllabus

MBNS 790 Doctoral Seminars in Neuroscience

Academic Year 1-2025

Course ID and Name: MBNS 790 Doctoral seminars in Neuroscience

Course Coordinator: Assoc. Prof. Nuanchan Chutabhakdikul

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Instructors:

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

Supporting Staff:

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

Credits: 1 (1-0-2)

Curriculum: Doctor of Philosophy Program in Neuroscience (required course)

Semester offering: First semester

Pre-requisites: None

Course learning outcomes (CLOs):

Upon completion of this course, students are able to:

1. Searching pieces of literature to explore up-to-date neuroscience research. Review and summarize research findings from several original articles (PLO2)
2. Interpret new knowledge from a variety of neuroscience disciplines to fill the knowledge gaps and to develop future research questions (PLO3)
3. Communicate scientific ideas, procedures, results, and conclusions using appropriate language and formats (PLO5)

4. Demonstrate ethical awareness in academic presentation including; accurate acknowledgment of authors, accurate citation of sources, and avoiding plagiarism (PLO1)
5. Be an attentive audience, respond constructively by asking appropriate questions, discussing fruitfully, supporting and connecting with others (PLO4)

Alignment of teaching and assessment methods to course learning outcome:

Course learning outcome	Teaching method	Assessment method
CLO1: Searching pieces of literature to explore up-to-date neuroscience research. Review and summarize research findings from several original articles (PLO2)	(1) Assignment (2) Discussion with mentor	(1) Formative assessment by mentor using rubric scoring
CLO2: Interpret new knowledge from a variety of neuroscience disciplines to fill the knowledge gaps and to develop future research questions (PLO3)	(1) Assignment (2) Class discussion and feedback by mentor (3) Practicing scientific presentation	(1) Evaluation of presentation performance using Rubric Scoring
CLO3: Communicate scientific ideas, procedures, results, and conclusions using appropriate language and formats (PLO5)	(1) Mentoring (2) Practicing scientific presentation	(1) Evaluation of presentation performance using Rubric Scoring
CLO4: Demonstrate ethical awareness in academic presentation e.g., citation correctly, avoiding plagiarism (PLO1)	(1) Mentoring (2) Practicing scientific presentation	(1) Evaluation of abstract and presentation slides using Rubric Scoring
CLO5: Be an attentive audience, respond constructively by asking appropriate questions, discussing fruitfully, supporting and connecting with others (PLO4)	(1) Facilitate students' active participation by assigning various roles in seminar class	(1) Scoring for class participation

Course description:

MBNS 790 Doctoral seminars in Neuroscience

Searching and gathering advanced knowledge in neuroscience in the field of interest; Practice scientific presentation skills; Ethics in research citation

Course Schedule

MBNS 790 Doctoral seminars in Neuroscience

Academic Year 2025-1

Date: 14 August – 14 October 2025

Time: Thursday, 9:00am-12:00pm

Venue: 2nd Floor, MaSHARES co-working space @ MB Building

Date	Time	Topic/Details	Speaker
14 Aug, 2025	10:00-11:00	Course Orientation (online)	Nuanchan
26 Aug, 2025	10:00-12:00	**Special Seminar:** Cellular and Subcellular Localization of G Protein Coupled Receptor: Why this is becoming an ever more important issue?	Assoc. Prof. Dr. Paul Klosen University of Strasbourg, France
18 Sep, 2025	9:00-10:30	To be announced	Audri Laurrier Das (M.Sc.)
	10.30-12.00	To be announced	Patcharapha Poonthawatsanti (M.Sc.)
25 Sep, 2025	9:00-10:30	To be announced	Mananya Potima (Ph.D.)
	10.30-12.00	To be announced	Myat Ko Ko (Ph.D.)
2 Oct, 2025	9:00-10:30	To be announced	Sovaritthon Chansaengsee (Ph.D.)
	10.30-12.00	To be announced	Kohsheen Baliya (Ph.D.)

Important date

Ph.D. Students must submit the seminar topic, the abstract, and reference papers (approved by mentor) within 15 September, 2025 by email to nuanchan.chu@mahidol.edu

Assessment Criteria:

Criteria	Assessment Method	Scoring Rubric
Formative assessment 20%		
Seminar Preparation (20%)	Assessment student's processes to preparing the seminar presentation with rubric scores	1) Responsibility and Punctuality 2) Problem solving and critical thinking skills 3) Ethical conduct
Summative assessments 80%		
Presentation skills (60%)	Assessment of student's scientific presentation skills by teacher, using the rubric scores	(1) Knowledge and Comprehension (2) Ability to delivered presentation in a clear and engaging manner (3) Ability to create of future research questions (3) Ability to answer questions
Peer evaluation (10%)	Assessment of student's scientific presentation skills by peer, using the rubric scores	(1) Knowledge and Comprehension (2) Ability to delivered presentation in a clear and engaging manner (3) Ability to create of future research questions (3) Ability to answer questions
Class attendance and participation (10%)	Teacher records the number of student's signed in to participate the seminar class. Teachers observe and record student's participation in class	(1) Calculate the percent of student attending the seminar classes, total hour is 100%. (2) Student demonstrates as an active audience during seminar such as discussion, asking questions, and comments on other's presentation.

Student's achievement will be graded based on the following criteria:

Percentage	Grades	Descriptions
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