

Course Syllabus
MBNS 790 Doctoral Seminars in Neuroscience
Academic Year 2-2022

Course ID and Name: MBNS 790 Seminars in Advanced Neuroscience

Course Coordinator: Assoc. Prof. Nuanchan Chutabhakdikul, Ph.D.

Tel: 02-441-9003-7 Ext. 1203

Email: nuanchan.chu@mahidol.edu

Instructors:

1. Prof. Banthit Chetsawang, Ph.D.
2. Assoc. Prof. Nuanchan Chutabhakdikul, Ph.D.
3. Assoc. Prof. Vorasith Siripornpanich, M.D.
4. Asst. Prof. Sujira Mukda, Ph.D.
5. Asst. Prof. Sukonthar Ngampramuan, Ph.D.
6. Lecturer Dr. Jiraporn panmanee, Ph.D.

Supporting Staff:

1. Mrs. Somsong Phengsukdaeng
2. Mrs. Sasithorn Prommet

Credits: 1 (1-0-2)

Curriculum: Doctor of Philosophy Program in Neuroscience

Ph.D. plan 2.1, 2.2 (required course)

Ph.D. plan 1.1 are encouraged to attend the Ph.D. seminar every semester.

Semester offering: Second semester

Pre-requisites: None

Course learning outcomes (CLOs):

Upon completion of this course, students are able to:

1. Searching pieces of literature to explore advanced neuroscience research. Review and summarize research findings from several original articles. (PLO2)
2. Interpret, analyze, and criticize those findings logically to create new research questions. (PLO3)
3. Demonstrate ethical awareness in academic presentation including; accurate acknowledgment of authors, accurate citation of sources, and non-plagiarism. (PLO1)

4. Be an attentive audience, respond constructively by asking appropriate questions, discussing fruitfully, supporting and connecting with others (PLO4)
5. Communicate scientific ideas, procedures, results, and conclusions using appropriate language and formats (PLO5)

Alignment of teaching and assessment methods to course learning outcome:

Course learning outcome	Teaching method	Assessment method
CLO1: Searching pieces of literature to explore advanced neuroscience research. Review and summarize research findings from several original articles. (PLO2)	(1) Assignment (2) Discussion with mentor	(1) Formative assessment by mentor using scoring rubric
CLO2: Interpret, analyze, and criticize those findings logically to create new research questions. (PLO3)	(1) Assignment (2) Class discussion and feedback by mentor	(1) Oral presentation performance (2) Scoring Rubric
CLO3: Demonstrate ethical awareness in academic presentation including; accurate acknowledgment of authors, accurate citation of sources, and non-plagiarism. (PLO1)	(1) Assignment (2) Class discussion and feedback by mentor	(1) Oral presentation performance (2) Scoring Rubric
CLO4: Be an attentive audience, respond constructively by asking appropriate questions, discussing fruitfully, supporting and connecting with others (PLO4)	Student's active participation in seminar class	Scoring Rubric for class participation
CLO5: Communicate scientific ideas, procedures, results, and conclusions using appropriate language and formats (PLO5)	Student's active participation in seminar class	Scoring Rubric for class participation

Course description:

Explore advanced research in the field of neuroscience by searching literatures on interesting topic; review and summarize research findings from several original articles. Interpret the research results, analyze and criticize those findings logically and ability to create new

research questions. Communicate scientific ideas, procedures, results and conclusions using appropriate language and formats; Listening attentively and respond constructively by asking appropriate questions, discussing fruitfully, supporting and connecting with others.

Course schedule:

Date: 5 January – 30 March, 2023

Time: Thursday 10.00 am- 12.00 pm

Venue: Online virtual seminar via zoom application

Course Schedule
MBNS 790 Doctoral Seminars in Neuroscience
Academic Year 2-2022

Date: Thursday, Jan-Mar 2023

Time: 9.00 am-12.00 pm

Venue: Online virtual seminar via zoom application

Date/Time	Topic/Details	Speaker
5 Jan 2023 10.00-11.00	Course Orientation	Nuanchan
2 Mar, 2023 10.00-12.00	To be announced	Student 1
9 Mar, 2023 10.00-12.00	To be announced	Student 2
16 Mar, 2023 10.00-12.00	To be announced	Student 3
23 Mar, 2023 10.00-12.00	To be announced	Student 4
30 Mar, 2023 10.00-12.00	To be announced	Guest Speaker

Assessment Criteria:

Assessment Criteria	Assessment Method	Scoring Rubric
Formative assessment		
Seminar Preparation (10%)	Assessment student's processes to preparing the seminar presentation	(1) Responsibility and Punctuality (2) Problem solving and critical thinking skills (3) Ethical conduct
Summative assessments		
Presentation skills (70%)	Assess scientific presentation skills using the rubric scores	(1) 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
Participation (10%)	Teachers observe and record student's participation in class	(1) Student demonstrates as an active audience during seminar such as discussion, asking questions, and comments on other's presentation.
Class attendance (10%)	Teacher records the number of student's signed in to participate the seminar class	(1) Calculate the percent of student attending the seminar classes, total hour is 100%.

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