Course Syllabus
MBNS 790 Doctoral seminars in Neuroscience
Academic Year 1-2023

Course ID and Name: MBNS 790 Doctoral seminars in Neuroscience

Course Coordinator: Assoc. Prof. Nuanchan Chutabhakdikul
Tel: 02-441-9003-7 ext. 1203 Email: nuanchan.chu@mahidol.edu

Instructors:

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

Supporting Staff:

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

Credits: 1 (1-0-2)
Curriculum: Doctor of Philosophy Program in Neuroscience (required course)

Semester offering: First semester (Student ID 66XXXX)
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, analyze, criticize, and integrate 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 non-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, analyze, criticize, and integrate 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, non-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 student's 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

Date: 15 August, 2023 – 15 December, 2023

Time: 9.00 am- 12.00 pm

Format: Hybrid

Venue: Onsite at Room A107 and Online via zoom application

Course Schedule

MBNS 790 Doctoral seminars in Neuroscience

Academic Year 2-2023

Date: 15 August, 2023 – 15 December, 2023

Time: 10.00 am-12.00 pm

Format: Hybrid

Venue: Onsite at Room A107 and Online via zoom application

Date/Time	Topic/Details	Speaker
15 Aug 2023 10.00-11.00	Course Orientation (Online)	
16 Nov, 2023 10.00-11.30	To be announced	Student
23 Nov, 2023 10.00-11.30	To be announced	Student
30 Nov, 2023 10.00-11.30	To be announced	Student
7 Dec, 2023 10.00-11.30	To be announced	Student
14 Dec, 2023 10.00-11.30	To be announced	Guest

Important dates

September 30, 2023

- Submit the seminar topic and main references (approved by mentor).
- Submit the abstract and the announcement poster (approved by mentor).

(Email to nuanchan.chu@mahidol.edu and CC somsong.phe@mahidol.edu)

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 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