

Course Syllabus
MBNS 690 Seminars in Advanced Neuroscience
Academic Year 2021

Course ID and Name: MBNS 690 Seminars in Advanced Neuroscience

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

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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. Asst. Prof. Kittikun Viwatpinyo, Ph.D.
7. Lecturer Dr. Jiraporn panmanee, Ph.D.

Supporting Staff:

1. Mrs. Somsong Phengsukdaeng

Credits: 1 (1-0-2)

Curriculum: Doctor of Philosophy Program in Neuroscience (core course for B.Sc. Graduates)

Semester offering: First semester

Pre-requisites: No

Course learning outcomes (CLOs):

Upon completion of this course, students are able to:

1. Searching pieces of literature to explore advanced neuroscience research of interesting topics. Review and summarize research findings from several original articles.
2. Interpret, analyze, and criticize those findings logically to create new research questions.
3. Perform a standard scientific presentation using proper tools and skills.

Alignment of teaching and assessment methods to course learning outcome:

Course learning outcome	Teaching method	Assessment method
1. Be able to explore advanced research in the field of neuroscience by searching the literatures on interesting topic; review and summarize research findings from several original articles.	(1) Assignment (2) Discussion with mentor	(1) Formative assessment by mentor using scoring rubric
2. Be able to interpret the research results, analyze and criticize those findings logically and ability to create new research questions.	(1) Assignment (2) Class discussion and feedback by mentor	(1) Oral presentation performance (2) Scoring Rubric
3. Be able to generate the standard scientific presentation using proper tools and skills.	(1) Assignment (2) Class discussion and feedback by mentor	(1) Oral presentation performance (2) Scoring Rubric

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.

Course schedule:

Date: Thursday

Time: 9.00 am-12.00 pm

Venue: Online virtual seminar via zoom meeting **and/or** room A107, Institute of Molecular Biosciences, depend on the COVID-19 pandemic situation

Course Schedule
 MBNS690 Seminars in Advanced Neuroscience
 Academic Year 1-2021

Date/Time	Topic/Details	Class Activity	Speaker
Aug 24, 2021			
14.00-15.00	Course Orientation		Nuanchan
Nov 4, 2021			
09.00-10.30	- To be announced	Student presentation	M.Sc. Student #1
10.30-12.00	- To be announced	Student presentation	M.Sc. Student #2
Nov 11, 2021			
09.00-10.30	- To be announced	Student presentation	Natdanai
10.30-12.00	- To be announced	Student presentation	Tanya
Nov 18, 2021			
14.00-16.00	- To be announced	Guest seminar #1	To be announced
Nov 25, 2021			
09.00-10.30	- To be announced	Student presentation	Akarachai
10.30-12.00	- To be announced	Student presentation	Soraya
Dec 2, 2021			
09.00-10.30	- To be announced	Student presentation	Laurence
10.30-12.00	- To be announced	Student presentation	Natchaphol

Notes:

Students submit the following information to nuanchan.chu@mahidol.edu before the due dates.

- The seminar topic (approved by mentor) and references: Due date is [Sep 23, 2021](#).
- The abstract, and the announcement poster: Due date is [Oct 21, 2021](#).

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
Class 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

Date revised: 14 August 2021