

**Course Syllabus**  
**MBNS 694 Seminars in Integrated Neuroscience**  
**Academic Year 2019**

**Course ID and Name:** MBNS 694 Seminars in Integrated Neuroscience

**Course Coordinator:** Assoc. Prof. Nuanchan Chutabhakdikul

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**Instructors:**

1. Prof. Emeritus Piyarat Govitrapong
2. Prof. Banthit Chetsawang
3. Assoc. Prof. Naiphinich Kotchabhakdi
4. Assoc. Prof. Wipawan Thangnipon
5. Assoc. Prof. Nuanchan Chutabhakdikul
6. Asst. Prof. Vorasith Siripornpanich
7. Asst. Prof. Sujira Mukda
8. Asst. Prof. Sukonthar Ngampramuan
9. Asst. Prof. Kittikun Viwatpinyo
10. Lecturer. Dr. Chutikorn Nopparat

**Supporting Staff:**

1. Ms. Somsong Phengsukdaeng

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

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

**Semester offering:** Second semester

**Pre-requisites:** MBNS 690 Seminars in Advanced 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, PLO6) R
2. Present scientific articles by using appropriate information and communication technologies (PLO6) P

3. Synthesis and integration of new concepts or theories from knowledge gained and be able to generate new idea for further research (PLO2, PLO4) R

**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) Lecture (2) Assignment (3) Class discussion	(1) Oral presentation (2) In-class discussion
2. Present scientific articles by using appropriate information and communication technologies	(1) Assignment (2) Class discussion	(1) Direct observation (2) Oral presentation (3) In-class discussion
3. Synthesis and integration of new concepts or theories from knowledge gained and be able to generate new idea for further research	(1) Assignment (2) Class discussion	(1) Direct observation (2) Oral presentation (3) In-class discussion

**Course description:**

Literature review in the neuroscience research field of interest; compilation and presentation in a systematic manner; discussion with ethics; in-depth analysis of results; exchange of academic opinion; synthesis and integration of new concepts or theories from knowledge gained and recommendation on further research direction.

**Course schedule:**

Date: Thursday

Time: 10.00-11.00

Rooms: A107, Institute of Molecular Biosciences

Date/Time	Topic/Details	Number of Hours	Class Activity	Lecturer
<b>12 December 2019</b>				
10.00-12.00	Course orientation	1	Lecture	Nuanchan
<b>16 January 2020</b>				
10.00-11.00	- To be announced -	1	Student presentation/ Discussion	Student
<b>23 January 2020</b>				
10.00-11.00	- To be announced -	1	Student presentation/ Discussion	Student
<b>30 January 2020</b>				
10.00-11.00	- To be announced -	1	Student presentation/ Discussion	Student
<b>6 February 2020</b>				
10.00-11.00	- To be announced -	1	Student presentation/ Discussion	Student
<b>13 February 2020</b>				
10.00-11.00	- To be announced -	1	Student presentation/ Discussion	Student

**Assessment Criteria:**

Assessment Criteria	Assessment Method	Scoring Rubric
Presentation (80%)	(1) Presentation	(1) Comprehension (2) Ability to apply knowledge to delivered

Assessment Criteria	Assessment Method	Scoring Rubric
		<p>presentation in a clear and engaging manner</p> <p>(3) Ability to develop research questions</p> <p>(3) Ability to answer questions</p>
Class participation (10%)	<p>(1) Direct observation</p> <p>(2) Class discussion</p>	<p>(1) Class participation</p> <p>(2) In-class discussion</p>
Class attendant (10%)	<p>(1) Number of classes signed in</p> <p>(2) Direct observation</p>	<p>(1) Class participation</p>

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: 17 June 2019