Course Syllabus
MBNS 694 Seminars in Integrated Neuroscience
Academic Year 2-2022

Course ID and Name: MBNS 694 Seminars in Integrated Neuroscience

Course Coordinator: Assoc. Prof. Nuanchan Chutabhakdikul
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Instructors:

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

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: 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 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. 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 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 scoring rubric
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	(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:

Critical reading the most recent literature in neuroscience, interpret research findings, and draw appropriate conclusions; Integrate knowledge from a variety of neuroscience disciplines to fill the knowledge gaps and to develop future 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: 10 January – 31 March, 2023

Time: Thursday 10.00 am- 12.00 pm

Venue: Online virtual seminar via zoom application

Course schedule:

MBNS 694 Seminars in Integrated Neuroscience

Academic Year 2-2022

Date: Thursday, 10 January – 31 March 2023

Time: 9.00 am-12.00 pm

Venue: Online virtual seminar via zoom application

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

SEMINAR IN NEUROSCIENCE

EVALUATION FORM [Ph.D.]

Course: MBNS 694 (Seminars in Integrated Neuroscience) Academic Year: 2021 Semester: 2 Credit: (1-0-2)

Speaker: ..... Date: .....

Seminar title: .....

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PLEASE USE THE RATING SCALE BELOW TO EVALUATE THE STUDENT'S PRESENTATION. (Weight 70%)

Evaluation Items	Unsatisfied 1	Poor 2	Fair 3	Good 4	Very Good 5
Seminar contents 40%					
Introduction serves to logically present the background information and coverage main reference articles	1	2	3	4	5
Understanding of materials and methods	1	2	3	4	5
Adequate explanation of tables and graphs	1	2	3	4	5
Clearly describe and adequately interpret the data	1	2	3	4	5
Discuss the results meaningfully in an integratory manner	1	2	3	4	5
Adequately discuss the limitations of the studies	1	2	3	4	5
Profound understanding of the topic presented	1	2	3	4	5
Presentation performance 20%					
Quality of power point presentation slides (concise and well-organized content, format consistency)	1	2	3	4	5
Delivered presentation in a clear and engaging manner	1	2	3	4	5
English proficiency and proper use of scientific terminologies	1	2	3	4	5
Ability to speak without reliance on verbatim reading notes. Eye-contact with audiences, avoid distracting mannerisms	1	2	3	4	5
Ability to present the topic in appropriate time (45-50 min)	1	2	3	4	5
Answering the questions 20%					
Answer with clear and concise, response directly to the point.	1	2	3	4	5
Answer with critical thinking and logical reasoning	1	2	3	4	5
Respond confidently to the questions	1	2	3	4	5
Ability to handling difficult questions	1	2	3	4	5
Ability to develop future research questions 20%					
Create future research questions with a clear rationale	1	2	3	4	5
Integrate knowledge to resolve the missing issues in neuroscience	1	2	3	4	5
Research questions show the student's mastery of the in-depth knowledge by providing approaches to acquire new knowledge	1	2	3	4	5
				Total (100%)	

Comments, Constructive Criticism, Suggestions and Explanation of Ratings:

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Evaluate by.....