Course Syllabus

MBNS 695 Seminars in Current Research in Neuroscience

Academic Year 2024

Course ID and Name: MBNS 695 Seminars in Current Research in Neuroscience

Course Coordinator: Assoc. Prof. Sujira Mukda

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Instructors:

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

Supporting Staff:

1. Ms. Somsong Phengsukdaeng
2. Ms. Sasithorn Prommet

Credits: 1 (1-0-2)

Curriculum: Master of Science Program in Neuroscience (required course)

Semester offering: Second semester

Pre-requisites: MBNS 691 Seminar in 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) P, (PLO2) P, (PLO4) P, (PLO5) P
2. Present scientific articles by using appropriate information and communication technologies (PLO5) P
3. Demonstrate the ability to design research studies to address research questions (PLO3) P, (PLO5) P

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) Assignment (2) Class discussion	(1) Formative assessment using scoring rubric (2) Oral presentation (3) In-class discussion
2. Present scientific articles by using appropriate information and communication technologies	(1) Assignment (2) Class discussion	(1) Formative assessment using scoring rubric (2) Oral presentation (3) In-class discussion
3. Demonstrate the ability to design research studies to address research questions	(1) Assignment (2) Class discussion	(1) Formative assessment using scoring rubric (2) Oral presentation (3) In-class discussion

Course description:

Presenting and discussing articles about the current research in neuroscience; the research articles integration; the correlation of selected research topics with the thesis research

Course schedule:

Date: Thursday, 6 August 2024 – 3 October 2024

Time: 9.00-12.00, or 13.30-16.30

Venue: Room A107, Ground Fl., Institute of Molecular Biosciences

	Date/ Time	Topic	Speaker
1	**6 Aug 2024**		
	14.00-15.30	Course orientation	Sujira
2	**13 Aug 2024**		
	14.30-16.00	**Uncovering the Role of Pnn in Non-Dividing Cells and Its Involvement in Cardiomyopathy and Neurodegeneration** *Professor Dr. Steve Leu, Ph.D.* Institute for Translational Research in Biomedicine, Kaohsiung Chang Gung Memorial Hospital, Kaohsiung, Taiwan	Invited speaker
3	**5 Sep 2024**		
	09.00 - 10.25	- To be announced - (MC: Proud)	Khematin
	10.35 - 12.00	- To be announced - (MC: Kotchapit)	Munnutchaya
4	**12 Sep 2024**		
	09.00 - 10.00	Wai Kru Ceremony	
	10.30 - 12.00	- To be announced - (MC: Fahsai K)	Proud
	13.00 - 14.30	- To be announced - (MC: Fahsai T)	Kotchapit
5	**19 Sep 2024**		
	13.30 - 14.55	- To be announced - (MC: Khematin)	Fahsai K
	15.05 - 16.30	- To be announced - (MC: Munnutchaya)	Fahsai T
6	**26 Sep 2024**		
	09.00 - 10.25	- To be announced -	MBNS790
	10.35 - 12.00	- To be announced -	MBNS790
7	**3 Oct 2024**		
	09.00 - 10.25	- To be announced -	MBNS790
	10.35 - 12.00	- To be announced -	MBNS790

Assessment Criteria:

Assessment Criteria	Assessment Method	Scoring Rubric
Seminar Preparation (20%)	(1) Assessment student's processes to preparing the seminar presentation	(1) Responsibility and Punctuality (2) Problem solving and critical thinking skills

Assessment Criteria	Assessment Method	Scoring Rubric
		(3) Ethical conduct
Presentation (50%)	(1) Assess scientific presentation skills using the rubric scores	(1) Comprehension (2) Ability to apply knowledge to delivered presentation in a clear and engaging manner (3) Ability to develop research questions (4) Ability to answer questions
Class participation (20%)	(1) Direct observation (2) Class discussion	(1) Student demonstrates as an active audience during seminar such as discussion, asking questions, and comments on other's presentation.
Class attendant (10%)	(1) Number of classes signed in (2) Direct observation	(1) Percentage of attending the seminar classes

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: 4 August 2024

SEMINAR IN NEUROSCIENCE II

EVALUATION FORM [M.Sc.]

Course: MBNS 695 (Seminars in Current Research in Neuroscience) **Year:** **Semester:** 2 **Credit:** (1-0-2)

Seminar speaker: ..... **Date:** .....

Seminar title: .....

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PLEASE USE THE RATING SCALE BELOW TO EVALUATE THE STUDENT'S PRESENTATION.

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	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
Respond confidently to the questions	1	2	3	4	5
Ability to develop future research question 20%					
Create future research questions with clear rationale	1	2	3	4	5
Research question demonstrate integration of previous knowledge	1	2	3	4	5
				Total (100%)	

Comments, Constructive Criticism, Suggestions and Explanation of Ratings:

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Evaluator.....