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Course Syllabus

MBMB 506 M.Sc. Research forum

Academic Year 2025

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Course ID and Title: MBMB 506 M.Sc. Research forum

Course Coordinator: Asst. Prof. Jiraporn Panmanee, Ph.D.

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Institute of Molecular Biosciences, Mahidol University

Instructor:

1.

2.

3.

4.

5.

Support Staff:

1.

2.

Credits: 1(1-0-2)

Curriculum: Master of Science Program in XXX (Core course)

Semester: 2nd Semester

Pre-Requisites:

None.

Course Learning Outcomes (CLOs):

By the end of the course, students should be able to:

1.   Demonstrate a deep understanding of their chosen research topic.

2.   Effectively communicate their research findings both in writing and orally.

3.   Apply information technology and interpersonal communication skills through group discussion.

Alignment of Teaching and Assessment Methods to Course Learning Outcomes:

Course Learning Outcomes	Teaching Method	Assessment Method
1. Demonstrate a deep understanding of their chosen research topic.	Lectures, Group Discussions	1. Q&A during lecture 2. Discussion performance 3. Quiz / short exercise 4. Assignment
2. Effectively communicate their research findings both in writing and orally.	Student Presentations, Group Discussions	1. Discussion performance 2. Presentation performance 3. Assignment
3. Apply information technology and interpersonal communication skills through group discussion	Student Presentations, Group Discussions	1. Discussion performance 2. Presentation performance 3. Assignment

Course Description:

The M.Sc. Research Forum is a comprehensive course designed to guide students in the Master of Science program through the process of presenting their research findings. The course will cover topics such as research methodology, effective communication of research results, and critical analysis of research approaches.

Course Schedule:

(Classroom XXX)

	Activities	Description	Time	Instructors and Assistants
		DAY1 Monday, XXX XX, 20XX		
1	**Lecture/Discussion:** Introduction to graduate research forum	To go over the research methodology, effective communication of research results, and critical analysis of research approaches.	9:00 – 12:00	Lecturers
2	**Workshop 1:** Student research showcase: the evolution of research through	Students summarize their research and present to the group. The students will discuss what they discover and what the problem they encounter. They will have	13:00 – 16:00	

	Activities	Description	Time	Instructors and Assistants
	their own experience with a specific project	the opportunity to exchange their ideas to peers and instructors		
DAY2 Monday XXX XX, 20XX				
3	**Workshop 2:** Poster development 1	Students design their thesis/research work or on-going projects into academic poster with a guidance from faculty members.	9:00 – 12:00	Lecturers
4	**Workshop 3:** Poster development 2	Students will have the first draft of the poster with a comment from faculty members and friends.	13:00 – 16:00	
DAY3 Graduate Research forum day, XXX XX, 20XX				
5	**Graduate Research forum:** Pitching/Poster presentation	The students will present their works on the specific topic they have developed. In addition to the students enrolled in the course, this session will bring together the larger body of our research community including first-year students, Post-docs, and staff.	13:00 – 16:00	Staffs

Assessment Criteria:

	Assessment Criteria	Description (in Details)	Scoring Rubric
1	**Participation and Attendance: 20%**	Group discussion performance (15%) Showing up in the class (5%)	• Full attendance (**4**) • ~ 80% attendance (**3**) • ~ 60% attendance (**2**) • < 50% attendance (**1**)
2	**Assignments: 30%**	The presence of intro, methods, results, discussion, and conclusion **with no plagiarism** (5%)	• Complete (**4**) • ~ 80% complete (**3**) • ~ 60% complete (**2**) • < 50% complete (**1**)

Assessment Criteria		Description (in Details)	Scoring Rubric
		Data presentation (5**%**)	- Complete (**4**) ~ 80% complete (**3**) ~ 60% complete (**2**) < 50% complete (**1**)
		Data analysis and interpretation (5**%**)	- Excellent (**4**) - Good (**3**) - Fair (**2**) - Need to be improved (**1**)
		English and writing skills (**5%**)	- Excellent (**4**) - Good (**3**) - Fair (**2**) - Need to be improved (**1**)
		Report format and typing errors (5**%**)	- Excellent (**4**) - Good (**3**) - Fair (**2**) - Need to be improved (**1**)
		On-time submission (5**%**)	- On-time (**4**) - Late (**2-3**) - Very late (1)
3	Quizzes and Exams: 5%	Depending on the correctness and completion (5**%**)	**Raw scores will be adjusted to be in a range of 0-40%**
4	Presentation: 45%	Participation and performance (10**%**)	- Active (**4**) - Fairly active (**2-3**) - Inactive (**1**)
		Professional and interpersonal skills (responsibility, teamwork, and leadership) (15**%**)	- Active (**4**) - Fairly active (**2-3**) - Inactive (**1**)
		Creative and high-order thinking skills (10**%**)	- Highly expressed (**4**) - Fairly expressed (**2-3**) - Not shown (**1**)

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
80–100	A	Excellent
75–79	B+	Very Good
70–74	B	Good
65–69	C+	Fairly Good
60–64	C	Fair
55–59	D+	Poor
50–54	D	Very Poor
0–49	F	Fail

Date of Revision: Jan 2024