

AUN-QA
Course Syllabus
MBMG 601
Academic year 2017

Course ID and Name: MBMG601: Current Topics in Molecular Biology

Course coordinator: Dr. Duangrudee Tanramluk

Instructors:

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|---------------|--------------------------|
| 1. Duncan | Smith, Ph.D. |
| 2. Apinunt | Udomkit, Ph.D. |
| 3. Albert | Ketterman, Ph.D. |
| 4. Wipa | Chungjatupornchai, Ph.D. |
| 5. Sarin | Chimnaronk, Ph.D. |
| 6. Duangrudee | Tanramluk, Ph.D. |
| 7. Chalongrat | Noree, Ph.D. |
| 8. Poochit | Nonjuie, Ph.D. |
| 9. Nitwara | Wikan, Ph.D. |

Credits: 1

Curriculum: Master of Science Program in Molecular Genetics and Genetic Engineering

Semester offering: First semester

Pre-requisites: None

Expected learning outcomes:

After finishing the course, students should be able to:

- 1) Demonstrate academic honesty and responsibility
- 2) Analyze scientific literature based on molecular biology principles and theories
- 3) Summarize scientific literature in an interactive manner

Alignment of teaching and assessment methods to course learning outcome:

Course learning outcome	Teaching method	Assessment methods
1.Be responsible on conducting the given assignments with honesty and work effectively as a part of the team or class	(1) Lecture (2) Case studies with learned experience (3) Group assignment and presentation (4) Emphasis on scientific integrity and misconduct	(1) Reports and assignment quality (2) Presentations (3) In-class behavior and class attendance (4) Scores are deducted if the assignments are late or found copied from others (5) Give bonus points for each student who lead the weekly discussion in class
2. Analyze scientific literature based on molecular biology principles and theories	(1) Lecture (2) Brainstorming (3) Group discussion (4) Individual assignment	(1) Reports and assignment quality (2) Presentation (3) Discussion participation (4) Q & A
3. Students can communicate and discuss science in an interactive manner	(1) Group or individual assignment (2) Group or individual presentation	(1) Quality of group or individual presentation (2) Behavior in class and attendance (3) Q & A

Course description:

Interpretation, critical review and discussion of recent publications related to advanced knowledge and technology in molecular biology

Course schedule: Wednesday 9.30-11.30 am, Room A401

Date	Lect	Topic	Teaching Staff
3 Oct 18	1	Course Orientation (Start 9.00 am) & GoogleDocs for collaboration	Duangrudee
3 Oct 18	2	Research Ethics	Apinunt
10 Oct 18	3	Paper Discussion & Presentation	Sarin
17 Oct 18	4	Paper Discussion & Presentation	Chalongrat
24 Oct 18	5	Paper Discussion & Presentation	Nitwara
31 Oct 18	6	Paper Discussion & Presentation	Albert
7 Nov 18	7	Paper Discussion & Presentation	Poochit
14 Nov 18	8	Paper Discussion & Presentation	Wipa
21 Nov 18	9	Paper Discussion & Presentation	Duncan
28 Dec 18	10	Collaborative writing	Duangrudee

Assessment Criteria:

Student performance 90%

Attendance 10%

Student's achievement will be graded using symbols: A, B+, B, C+, C based on the distribution of students' scores from the whole course.

MBMG601 Current Topics in Molecular Biology Rubrics

	Rating				Weight
	4	3	2	1	
PREPARATION					
QUIZ	100-80%	79-60%	59-40%	<39%	
REPORT ASSIGNMENT					
Theme	Well organized, demonstrates logical sequencing and structure.	Well organized, but demonstrates illogical sequence or structure.	Weakly organized with no logical sequence or structure.	No organization, sequencing, or structure.	
Content	Clearly states aim and scope; concisely summarizes major points. Rationales are explained.	Aim and scope are stated adequately, major points are summarized. Rationale is stated but not explained.	Aim and scope are not stated. Major points are missing. Rationale is not mentioned or vague. Reveal few knowledge on the subject.	Few points are mentioned as contents but without the line of reasoning.	
References	Information is cited properly and in acceptable format (e.g.Vancouver or EMBO).	Information is cited with minor errors.	Information is cited, but has major errors.	Information is not cited or is cited incorrectly.	
DISCUSSION					
Q & A	Question and answer(s) were good and clearly stated.	Question and answer(s) were average.	Question and answer(s) were not significant.	Question and answer(s) were irrelevant.	
PRESENTATION					
Content	Well organized and well presented	Good to average organization and presentation	Weak performance in presentation	Poorly presented	
PERFORMANCE FROM SUM OF THE ABOVE SECTIONS <90%>					
ATTENDANCE <10%>	On time (10%)	Late (7.5%)	Absent with Permission (5%)	Disappear (2.5%)	
TOTAL					
From 100%					

Paper Criteria

Published within 5 years (papers were not written by the instructor)

Date revised: 3 August 2018