MBMG621: Doctoral Seminar in Molecular Genetics and Genetic Engineering (Advanced Seminar I)

Semester 1, Academic year 2022

Room A107 (1 credit)

Course Learning Outcomes: At the end of learning, students could

1. Demonstrate honesty, discipline and responsibility in presenting their seminars, i.e. punctuality and proper referencing.
2. Clearly explain the results from the selected papers.
3. Integrate knowledge in molecular genetics and genetic engineering to systematically discuss and criticize the results from the selected papers.
4. Demonstrate proper use of information resources and technology.

Format:

1. Students will research topics of their own choosing (2-3 papers), with approval from their major-advisors, that are related to their thesis and present them to an audience for approximately 35-40 minutes. Then, they will answer questions from the floor for approximately 15-20 minutes.

2. Students should give the title of presentation with the signature of the advisor to the course coordinator, at least 2 weeks before the presentation date.

3. Students are required to **write an abstract (not more than 250 words)** and submit to the course coordinator 1 week before the presentation date.

4. After the presentation, every student will be asked question(s) related to the presentation.

5. Students who miss the deadline for each category will be subjected to a penalty.

Evaluation:

1. Presentation (80%):

Seminar content and scientific merit (40%):

Introduction:

- Defines background and importance of research.
- States objective, and is able to identify relevant questions.

Body:

- Presenter has a scientifically valid argument.
- Addresses audience at an appropriate level (rigorous, but generally understandable to a scientifically-minded group).
- Offers evidence of proof/disproof.
- Describes methodology.
- The talk is logical.

Conclusion:

- Summarizes major points of talk.
- Summarizes potential weaknesses (if any) in findings.
- Provides you with a “take-home” message.

Presentation techniques, slide/transparency quality, ability to use English (20%):

- Graphs/figures are clear, understandable and not distracting.
- The text is readable and clear.
- Appropriate referencing of data
- Speaks clearly and at an understandable pace.
- Maintains eye contact with audience.
- Well rehearsed (either extemporaneous or scripted presentation).
- Speaker uses body language appropriately.
- Speaker is dressed appropriately.
- Speaker is within time limits.

Answering questions (20%):

- Speaker is able to answer questions.

2. Performance throughout the course (20%)

-Writing abstract for the presentation (5%)

- Participation actively in the class (15%):
  - asking questions (minimum 5 questions) (15%),
  - punctuality, attending the class, etc.

Course coordinators: Asst. Prof. Kusol Pootanakit

(kusol.poo@mahidol.ac.th; ext. 1467)

Title __(Font Time New Roman, size 16, bold)_____

Date: _____ Time: ____(Font Times, size 16 unbold)_____

Speaker: _____(Font Times, size 16 unbold)_____

Abstract (Font Times, size 14, bold)

Text--------Font Times, size 12 unbold, 1.5 line spacing

Only 1 page (about 250 words)

Content in abstract should include short background, purpose of the study, short experimental design (if necessary), results and short summary.

References (2-3 major references) can be included.

Due date: A week before the presentation date.

----------Tear this part and submit it **2** weeks before presentation date----------

Title:_____

_____

_____

Presentation date: _____

Presentation time: _____

Advisor signature: _____