# **COURSE SYLLABUS**

## MD627 893, MD627 994 Seminar in Medical Microbiology [2(2-0-4)]

MD627 101 - 105 Peer Review in Medical Microbiology Research I-V [1(1-0-2)]

Responsibility: Department of Microbiology, Faculty of Medicine, Khon Kaen University

Period: Second semester, Academic year 2025

E-learning: <a href="https://e-learning.kku.ac.th/course/view.php?id=85">https://e-learning.kku.ac.th/course/view.php?id=85</a>

#### Course coordinators:

| Dr. Chukkris Heawchaiyaphum               | chukhe@kku.ac.th*   |
|---|---------------------|
| Assoc. Prof. Dr. Sakawrat Kanthawong      | sakawrat@kku.ac.th* |
| Asst. Prof. Dr. Auttawit Sirichoat        | auttsi@kku.ac.th*   |
| Prof. Dr. Kiatichai Faksri                | kiatichai@kku.ac.th |
| Assoc. Prof. Dr. Supranee Phanthanawiboon | supraph@kku.ac.th   |
| Asst. Prof. Dr. Umaporn Yordpratum        | umapornyo@kku.ac.th |
| Asst. Prof. Dr. Sirinart Aromseree        | sirinar@kku.ac.th   |
| Asst. Prof. Dr. Wisitsak Phokasawat       | wisiph@kku.ac.th    |
| Asst. Prof. Dr. Arnone Nithichanon        | arnoni@kku.ac.th    |
| Dr. Suwalak Chitcharoen                   | suwachi@kku.ac.th   |
| Dr. Pratsanee Hiangraj                    | pratshi@kku.ac.th   |
|   |                     |

<sup>\*</sup>If you have any problem with the course or e-learning, please contact Dr. Chukkris, Dr. Auttawit, or Dr. Sakawrat via e-mail or at department.

Students: Graduate students in Precision Medical Microbiology Program, Faculty of Medicine, Khon Kaen University

#### Date & Time:

|     | 9.00-10.00 | 10.00-11.00 | 11.00-12.00 | 12.00-13.00 | 13.00-14.00 | 14.00-15.00 | 15.00-16.00 |
|-----|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Mon |            |             |             |             |             |             |             |
| Tue |            |             |             |             |             |             |             |
| Wed |            | Seminar     | Peer review |             |             |             |             |
| Thu |            |             |             |             |             |             |             |
| Fri |            |             |             |             |             |             |             |

Venue: Lecture Room #4 (Near the Pharmaceutical canteen), Faculty of Medicine, Khon Kaen University

#### Course description

#### MD627 994 Seminar in Medical Microbiology [2(2-0-4)]

Selecting topics, literature search and review, reading scientific reports with critical appraisal, presentation, and participation in discussion on research progress in biomedical science

# MD627 101 Peer review in medical microbiology research I [1(1-0-2)]

Principles of good peer review, Research summary and presentation, Discussion on medical microbiology research, Improvements of thinking process, creativity, and questions to ask in medical microbiology research, Scientific communication with critical thinking

#### MD627 102 Peer review in medical microbiology research II [1(1-0-2)]

Experimental design for research, Research summary and presentation in written and oral communication, Discussion on medical microbiology research, Improvements of thinking process, creativity, and questions to ask in medical microbiology research, Scientific communication with critical thinking

### MD627 103 Peer review in medical microbiology research III

Basic adjustment for better experimental design and findings, Research summary and presentation in written and oral communication, Discussion on medical microbiology research, Expressing the opinions and suggestions for own research and others, Improvements of thinking process, creativity and

## MD627 104 Peer review in medical microbiology research IV [1(1-0-2)]

Experimental study design and research finding analysis, Analyzing the research problems, and planning for solution, Research summary and presentation in written and oral communication, Discussion on medical microbiology research, Expressing the opinions and suggestions for own research and others, Improvements of thinking process, creativity, and questions to ask in medical microbiology research, Scientific communication with critical thinking

#### MD627 105 Peer review in medical microbiology research V [1(1-0-2)]

Research evaluation, Manuscript writing for scientific research articles, Research summary and presentation in written and oral communication, Discussion on medical microbiology research, Expressing the opinions and suggestions for own research and others, Improvements of thinking process, creativity, and questions to ask in medical microbiology research, Scientific communication with critical thinking

#### Course learning outcomes (CLOs)

#### **CLOs of SEMINAR**

On completion of this course, the students will be able to

- 1. Summarize and explain knowledge and information from research literatures in Precision Med Micro field
- 2. Understand and interpret the analyzed data (big data, statistical data, bioinformatics) from studies used in seminar presentation
- 3. Summarize and explain concept and design of the studies and experiments from studies used in seminar presentation
- 4. Demonstrate life-long learning and information literacy through participation and literacy search
- 5. **Use** English for communication and present the topic in seminar presentation.
- 6. **Discuss and provide** criticisms and suggestions for his/her study topic and among classmates.
- 7. Demonstrate professional characteristics including time-control, punctuality, and academic honesty, class attendance
- 8. **Understand** of the novelty and impact of the study from the seminar presentation
- 9. **Demonstrate** the ethical behaviors such as citation for information sources

#### **CLOs of PEER REVIEW**

- 1. Students can **analyze**, **interpret**, **and summarize** thesis data for professional public presentation.
- 2. Students demonstrate essential skills for presentation with good literature review, problemsolving, systemic thinking, critical thinking, criticism, as well as creativity.
- 3. Students demonstrate English language skills for information reading, progress report writing, and oral presentation.
- 4. Students demonstrate professional characteristics including independent thinking, respect for diverse opinions, and scientific communication in class.

#### Course evaluation and assessment

# 1. Grading criteria for SEMINAR and PEER REVIEW

| SEMINAR/PEER REVIEW for M.Sc. students       | Grade      |
|--|------------|
| ≥ 85%  | А          |
| ≥ 80% to < 85%                               | B+         |
| ≥ 75% to < 80%                               | В          |
| ≥ 70% to < 75%                               | C+         |
| ≥ 65% to < 70%                               | С          |
|  |            |
| SEMINAR/PEER REVIEW for Ph.D. students       | Grade      |
| SEMINAR/PEER REVIEW for Ph.D. students ≥ 90% | Grade<br>A |
|  |            |
| ≥ 90%  | A          |
| ≥ 90%<br>≥ 85% to < 90%                      | A<br>B+    |

FOR SEMINAR and PEER REVIEW I, you will get grade A, B+, B, C+, or C in your transcript.

For PEER REVIEW II - V, you will get S (when your score ≥B) or U (when your score <B).

# 2. Course assessment and requirement

#### Score ratio of SEMINAR

- Present performance 90% (Please see the rubric scoring criteria.)

- Class participation 10% (10 questions = 10%)

#### Score ratio of PEER REVIEW

- Present performance 90% (Please see the rubric scoring criteria.)

- Class participation 8% (5 questions = 8%)

- E-learning 2%

#### Class attendance requirement

- 1. Students who want to postpone the presentation must ask permission from the course coordinators and can postpone only once for proper reason. Please inform the course coordinator 1 week before the presentation date.
- 2. Enrolled students who want to leave the class, please send the absence request in e-learning with the proper reason and advisor agreement. Students who missed the class for unexcused reasons and without informing the course coordinator for more than 2 times, the maximum grade will be received is **only B**.
- 3. Non-enrolled students who missed the class for unexcused reasons and without informing the course coordinator for more than 2 times, the special talk must be performed in the next semester of Seminar course.
- 4. Students who join the class later than 10 minutes after the beginning of the presentation will be 1 % subtracted in each time.

#### 3. Rubric scores of SEMINAR and PEER REVIEW

#### 3.1 Rubric scores of SEMINAR

| Criteria                               | 5                            | 4                         | 3                      | 2                     | 1                        |
|--|------------------------------|---------------------------|------------------------|-----------------------|--------------------------|
| 1. Understanding and summarization     | The presented content        | The presented content     | The presented content  | Some of presented     | The presented content    |
| of content from the selected studies   | provide                      | provide                   | correct but conclusion | content are incorrect | are mostly incorrect     |
| (15%)                                  | -correct information         | -correct information      | is not clear or not    | and conclusion is not | and                      |
|  | -Key information that are    | - clear conclusion        | supported by the       | clear                 | no conclusion is         |
|  | extracted                    |                           | presented content      |                       | provided.                |
|  | -Well summarized information |                           |                        |                       |                          |
|  | - clear conclusion           |                           |                        |                       |                          |
| 2. Logical sequence and integration of | -Good logical sequenced      | -Good logical sequenced   | -Although the content  | Although with the     | Poor sequenced           |
| the content among studies (10%)        | information                  | information               | from each paper are    | logical sequence of   | information and          |
|  | - The content from ≥2 papers | but the topic or content  | well integrated, but   | the content,          | unrelated studies are    |
|  | are well integrated in the   | among studies are not     | non-logical sequence   | unrelated studies are | tied together            |
|  | same storyline               | aligned or integrated     | of information are     | tied together         |                          |
|  |                              |                           | shown                  |                       |                          |
| 3. Ability to interpret the analyzed   | -Correctly and clearly       | Most analyzed data were   | Some                   | Most analyzed data    | Incorrectly interpret in |
| data (biostatistics, bioinformatics    | interpret all analyzed data  | interpreted correctly but | data were interpreted  | were interpreted      | all analyzed data        |
| and/or big data) and research findings | -Be able to simplify the     | some information cannot   | correctly, but still   | incorrectly           |                          |
| (10%)                                  | meaning of results           | simplify to understand    | unclear                |                       |                          |
|  |                              | easily                    |                        |                       |                          |

| Criteria                               | 5                             | 4                        | 3                      | 2                     | 1                      |
|--|-------------------------------|--------------------------|------------------------|-----------------------|------------------------|
| 4. Ability to summarize the            | -The concept design           | -The concept design and  | Flowchart are provided | Extracted information | No experiments and     |
| experiments and the concept design     | (conceptual framework) and    | the experiments are      | but some information   | is shown, but mostly  | the concept design of  |
| of the study (15%)                     | the experiments (study        | provided                 | are missing (lack of   | in copy and paste     | the study are provided |
|  | design) are well-explicated   | - Flowchart are provided | either conceptual      | fashion               |                        |
|  | - Flowchart are provided      |                          | framework or study     |                       |                        |
|  | - Additional information were |                          | design                 |                       |                        |
|  | provided to enhance the       |                          |                        |                       |                        |
|  | understanding to the          |                          |                        |                       |                        |
|  | audience                      |                          |                        |                       |                        |
| 5. Clarity in presentation and media   | - PPT and media are clear     | - Media are clear        | - Media and content    | - Media and content   | -Poor media and        |
| (10%)                                  | - Contain technique to        | -Clear voice, Language   | are clear              | are clear for most    | content, too small     |
|  | emphasize and attractive      | Pronunciation            | - The voice are still  | content               | letter, low resolution |
|  | - Proper speed                |                          | unclear                | - The voice are still | figure                 |
|  | - Clear voice, Language       |                          |                        | unclear               | -Unclear voice,        |
|  | Pronunciation                 |                          |                        |                       | language pronunciation |
| 6. Appropriate on criticizing of paper | Well extracted many key       | Provide key strengths    | Provide general        | Provide only few      | Not provide strengths  |
| (5%)                                   | strengths and weaknesses that | and weaknesses but with  | strengths and          | numbers of general    | and weaknesses         |
|  | affect or influence to the    | limited number/ info     | weaknesses             | strengths and         |                        |
|  | quality of the study          |                          |                        | weaknesses            |                        |
| 7. Response to question (15%)          | Correctly response to all     | Correctly response to    | Correctly response to  | Most question were    | Not response to        |
|  | questions                     | most questions           | some questions         | incorrectly answered  | question               |
| 8. Length (30 minutes) (5%)            | Within 30                     | 31-35                    | 36-40 minutes          | 41-45                 | >45 minutes            |
|  | minutes                       | minutes                  |                        | minutes               |                        |
| 9. Time for submission abstract and    | 7 days                        | 6 days                   | 5 days                 | 4 days                | 3 days                 |
| PPT file before the presentation date  | or more                       |                          |                        |                       | or less                |
| (5%)                                   |                               |                          |                        |                       |                        |

# 3.2 Rubric scores of PEER REVIEW

| Criteria             | Ratio | CLO  | 5                        | 4                     | 3                     | 2                      | 1                   |
|----------------------|-------|------|--------------------------|-----------------------|-----------------------|------------------------|---------------------|
| Content and          | 20%   | 1    | - Contain all            | - Contain 6           | - Contain 6           | - Contain 6 prescribed | - Contain 5 or less |
| sequence of          |       |      | prescribed contents (7   | prescribed contents   | prescribed contents   | contents               | than 5 prescribed   |
| presentation         |       |      | topics)                  | - Correctly, clearly, | - Correctly, clearly, | - Correctly, clearly,  | contents            |
|                      |       |      | - Correctly, clearly,    | concisely, and well-  | concisely, and well-  | concisely, and well-   |                     |
|                      |       |      | concisely, and well-     | organized             | organized             | organized summarized   |                     |
|                      |       |      | organized summarized     | summarized details    | summarized details    | details in some topics |                     |
|                      |       |      | details in all topics    | in all topics         | in almost of topics   |                        |                     |
| Ability to interpret | 20%   | 1    | - Correct and clear in   | - Correct in all      | - Correct in all      | - Incorrect in some    | - Incorrect in      |
| and analyze data     |       |      | all analyzed data        | analyzed data         | analyzed data         | analyzed data          | almost of the       |
|                      |       |      | - Simplify all           | - Simplify most of    | - Need to improve     | - Need to improve      | analyzed data       |
|                      |       |      | interpretations to       | the interpretations   | simplification        | simplification         | - Need to improve   |
|                      |       |      | audience                 | to audience           |                       |                        | simplification      |
| Quality of slides    | 10%   | 2    | - All slides are easy to | - Most slides are     | - Some slides are     | - Many slides are      | - Many slides are   |
|                      |       |      | read.                    | easy to read.         | difficult to read.    | difficult to read.     | difficult to read.  |
|                      |       |      | - Free of spelling and   | - Free of spelling    | - Have some           | - Some spelling and    | - Numerous          |
|                      |       |      | grammatical errors       | and grammatical       | spelling and          | grammatical errors     | spelling and        |
|                      |       |      | - Appropriate            | errors                | grammatical errors    | - Inappropriate        | grammatical errors  |
|                      |       |      | animations and           | - Appropriate         | - Inappropriate       | animations and         | - Inappropriate     |
|                      |       |      | graphics.                | animations and        | animations and        | graphics or not used   | animations and      |
|                      |       |      |                          | graphics              | graphics or not used  |                        | graphics or not     |
|                      |       |      |                          |                       |                       |                        | used                |
| Speaking skills,     | 10%   | 3, 4 | - Speak clearly          | - Speak clearly       | - Speak unclearly     | - Speak unclearly      | - Speak unclearly   |
| eye contact and      |       |      | (volume+speed) all       | (volume+speed) all    | (volume+speed)        | (volume+speed) all     | (volume+speed)      |
| posture              |       |      | the time                 | the time              | sometimes             | the time               | all the time        |
|                      |       |      | - Mispronounce no        | - Mispronounce a      | - Mispronounce a      | - Mispronounce a few   | - A lot of          |
|                      |       |      | words                    | few words             | few words             | words                  | mispronounced       |
|                      |       |      | - Not reading scripts    | - Reading scripts     | - Reading scripts     | - Reading scripts      | words               |
|                      |       |      | - Have eye contact       | sometimes             | sometimes             | sometimes              | - Reading scripts   |
|                      |       |      | most of the time         | - Have eye contact    | - Have eye contact    | - Have eye contact     | all the time        |
|                      |       |      | - Appropriate posture    | most of the time      | sometimes             | sometimes              | - No eye contacts   |
|                      |       |      | (stand up straight,      | - Appropriate         | - Appropriate         | - Inappropriate        | - Inappropriate     |
|                      |       |      | relax, and confident)    | postures              | postures              | postures               | postures            |
| Response to          | 20%   | 2, 4 | - Have correct and       | - Have correct and    | - Have unclear        | - Incorrect and        | - Incorrect and     |
| question             |       |      | clear answers to all     | clear answers to      | answers to most of    | unclear answers to     | unclear answers     |
|                      |       |      | questions                | most of the           | the questions         | some questions         | to all questions    |
|                      |       |      | - Have eye contact       | questions             | - Have eye contact    | - Need to improve      | - Need to improve   |
|                      |       |      | and appropriate body     | - Have eye contact    | and appropriate       | eye contact and body   | eye contact and     |
|                      |       |      | language                 | and appropriate       | body language         | language               | body language       |
|                      |       |      |                          | body language         |                       |                        |                     |
| Report submission    | 10%   | 4    | 3 days before            | 2 days before         | 2 days before         | 1 day before           | 1 day before        |
|                      |       |      | presentation             | presentation (Before  | presentation          | presentation           | presentation        |
|                      |       |      |                          | 4.30 pm)              | (After 4.30 pm)       | (Before 4.30 pm)       | (After 4.30 pm)     |
| Length of            | 10%   | 4    | Within 15 mins           | Within 17 mins        | Within 19 mins        | Within 21 mins         | More than 21        |
| presentation         |       |      |                          |                       |                       |                        | mins                |

#### Need to know for SEMINAR

#### Teaching procedures

- 1. Each student will be assigned by an advisor and guided in the preparation of the seminar presentation.
- 2. Students must search for their own recent scientific papers in microbiology or biomedical sciences. Select at least 2 papers that should be published within the last 5 years. Set the title of the seminar topic. The integration of the papers leading to the professional seminar (unlike the journal club presentation) is encouraged.
- Students must propose the seminar topic to their advisor (s) for approval.
- Students should meet the advisor to formulate an overall plan for seminar presentation.
- 5. Students should prepare a Power Point presentation and practice the presentation.
- Students must compose an abstract which contains the title, the author's name, the advisor's name, an abstract with 250 to 300 words limit with list of references and then submit to their advisors to approve.
- 7. The title, abstract, power point and the main paper for seminar must be submitted to the elearning for at least 7 days before your seminar date, otherwise, the points of submission will be subtracted subsequently day by day.
- 8. Students have 30 minutes to present the presentation and 20-30 minutes to answer questions and discuss the paper with the audience.
- 9. After presentation, the students are discussed in their own group for 5-7 minutes depending on the modulators and the complexity of the topic (please see the student in the last page)
- 10. All graduate students are expected to attend and actively participate in the class with discussion.

## Step of seminar presentation in class

- 1. The seminar presentation must correspond to the specific content on page 10 (please see page 10 of this document).
- 2. After the seminar presentation (30 min), the students must ask questions or discuss the related aspects.
- 3. The question session:
  - The priority for asking the questions of the students is as follows.
    - 1) Enrolled students
    - 2) Non-enrolled students
    - 3) Lottery for activating the participation (both enrolled and non-enrolled students)
  - Only volunteer questions (enrolled student) will be counted in the score of participation (10%) and volunteer question from non-enrolled student will be recorded for "Good participant award" (There are awards in the progress report conference for students who have the most participations).
  - After the presentation, the comment for the presenter will be sent privately to the e-mail or other contact means.
  - For non-enrolled students, student who missing the class > 2 times (Co-modulator will record in the class.) must have special seminar presentation in the next semester.

# MD627 994 Seminar in Medical Microbiology

# Department of Microbiology, Faculty of Medicine, Khon Kaen University

| Title         |  |
|---------------|--|
| Student       |  |
| Advisor       |  |
| Date          |  |
|               |  |
| Abstract      |  |
| The abs       | tract should contain background, objective, materials and methods, results, and conclusions. |
|               |  |
|               |  |
| References    |  |
| 1             |  |
| 2             |  |
|               |  |
| Notification: | the whole abstract must not exceed one A4 page   |
|               |  |

# Power point presentation

Power point presentation should be included

- 1. Introduction and rationale
- 2. Objectives
- 3. Experiments (flowchart and pictures are very preferable)
- 4. Results
- 5. Conclusion
- 6. Summary
- 7. Criticism

#### Need to know for PEER REVIEW (PROGRESS REPORT)

- 1. The text (around 3-5 pages) describing the thesis progress must have to be submitted 3 days before presentation. Please specify the year of study (e.g., 1<sup>st</sup>, 2<sup>nd</sup>, or 3<sup>rd</sup> year student)
- 2. The presentation is a 15-minutes-talk by emphasizing the current experiments that have never been presented before.
- 3. The content of presentation should contain 7 topics as following (please see page 12 of this document):
  - 1. Introduction and rationale (1-2 slides, very concise, skip if it presented in the previous time),
  - 2. Conceptual framework
  - 3. Objective (s)
  - 4. Study design and anticipated outcomes
  - 5. Result (analyzed information or data) and table comparing the result from previous presentation and conclusion (s)
  - 6. Problem (s) in the experiment/thesis and sharing of how to fix the problem (s)
  - 7. Plan of the thesis (number of **enrolled credit**/timetable & plan/What to do next?) (compulsory)
- 4. For the 1<sup>st</sup> year students, the presentation can include (as it is the beginning of the experiment):
  - Literature review and rationale
  - Conceptual framework
  - Objective (s)
  - Study design and anticipated outcomes
  - Plan of the thesis (number of **enrolled credit**/timetable & plan/What to do next?) (compulsory)



If the students have any queries, please feel free to contact Dr. Chukkris, Dr. Auttawit, or Dr. Sakawrat.

#### Thesis progression

| Thesis title:    |                              |           |             | <br> |
|------------------|------------------------------|-----------|-------------|------|
| Thesis progress  | ion title:                   |           |             | <br> |
| Student:         |                              |           | Student ID: | <br> |
| Advisor:         |                              |           |             | <br> |
| Co-advisor:      |                              |           |             | <br> |
| Date:            |                              |           |             | <br> |
|                  |                              |           |             |      |
| 1. Introduction  |                              |           |             |      |
| 2. Objective (s) |                              |           |             |      |
| 3. Materials and | d methods                    |           |             |      |
| Example          | e 3.1 Bacterial strains or 0 | Cell line |             |      |
|                  | 3.2 RNA extraction           |           |             |      |
|                  | etc                          |           |             |      |
| 4. Results       |                              |           |             |      |
| 5. Conclusion    |                              |           |             |      |
| 6. References    |                              |           |             |      |
|                  |                              |           |             | <br> |

# Power point presentation (please see the template in e-learning)

- 1. Introduction and rationale (1-2 slides, very concise, skip if it presented in the previous time),
- 2. Conceptual framework
- 3. Objective (s)
- 4. Study design and anticipated outcomes
- 5. Result (analyzed information or data) and table comparing the result from previous presentation and conclusion (s)
- 6. Problem (s) in the experiment/thesis and sharing of how to fix the problem (s)
- 7. Plan of the thesis (number of enrolled credit/timetable & plan/What to do next?)\*\*\*

# List of presenters (2<sup>nd</sup> Semester, AY 2025)

Venue: Lecture Room #4, Faculty of Medicine, Khon Kaen University

| Date-year  | Seminar's presenters | Progress report's presenters    |
|------------|----------------------|---------------------------------|
| 26/11/2025 | Special semi         | nar: Dr. Karnchanok Kaimuangpak |
|            | Oi                   | rientation (Dr.Chukkris)        |
| 3/12/2025  | Special              | seminar: Dr. Orasa Panawan      |
| 10/12/2025 |                      | Constitution Day                |
| 17/12/2025 | Prawphan             | Prawphan, Sutharini             |
| 24/12/2025 | Patipan              | Patipan, Nattaya                |
| 31/12/2025 |                      | New Year's Eve                  |
| 7/1/2026   | Zwe                  | Zwe, Narathit                   |
| 14/1/2026  | Nithipoom            | Nithipoom, Roeub Sievlong       |
| 21/1/2026  | Juthamas             | Juthamas, Areeya                |
| 28/1/2026  | Audi                 | Audi, Hung Cuong Truong         |
| 4/2/2026   |                      | SDL                             |
| 11/2/2026  | Jittraporn           | Jittraporn, Siwakorn            |
| 18/2/2026  | Weawwadee            | Weawwadee, Supanut              |
| 25/2/2026  | Wanaporn             | Wanaporn, Thitima               |
| 4/3/2026   |                      | SDL                             |
| 11/3/2026  | Panjamaporn          | Panjamaporn, Kansuda            |
| 18/3/2026  | Kanyanat             | Kanyanat, Pasinee               |
| 25/3/2026  | Patharakan           | Patharakan, Chanakan, Ploy      |
|            | 14 <sup>th</sup> MN  | MC (to be announced later)      |

# Schedule of seminar presentation and progress report (Second Semester, AY 2025)

Date: every Tuesday at 10.00 AM - 12.00 PM | Venue: Lecture Room #4 (Near the Pharmaceutical canteen), Faculty of Medicine, Khon Kaen University

|            | Seminar's presenters   | อาจารย์                      | อาจารย์                             | อาจารย์ผู้เข้าฟังสัมมนา/รายงานความก้าวหน้า |           |           |           |           |  |
|------------|--|------------------------------|-------------------------------------|--|-----------|-----------|-----------|-----------|--|
| Date-year  | Seminar's presenters   | riogress report s presenters | Moderator<br>ท <sup>่</sup> านที่ 1 | Moderator<br>ท่านที่ 2                     | ท่านที่ 1 | ท่านที่ 2 | ท่านที่ 3 | ท่านที่ 4 |  |
| 26/11/2025 | Special seminar: Dr. Karnchanok Kaimuangpak O25 Orientation (Dr. Chukkris) |                              | Chukkris                            | Suwalak                                    | Arnone    | Auttawit  | Sakawrat  | Umaporn   |  |
| 3/12/2025  | Special semii  | nar: Dr. Orasa Panawan       | Sirinart                            | Arnone                                     | Chukkris  | Suwalak   | Pratsanee | Sonwit    |  |
| 17/12/2025 | Prawphan   | Prawphan, Sutharini,         | Umaporn                             | Sakawrat                                   | Auttawit  | Sirinart  | Wises     | Pratsanee |  |
| 24/12/2025 | Patipan  | Patipan, Nattaya             | Wisitsak                            | Arnone                                     | Kittipan  | Pratsanee | Supranee  | Chukkris  |  |
| 7/1/2026   | Zwe  | Zwe, Narathit                | Supranee                            | Sonwit                                     | Chukkris  | Wises     | Sirinart  | Auttawit  |  |
| 14/1/2026  | Nithipoom  | Nithipoom, Roeub Sievlong    | Sakawrat                            | Pratsanee                                  | Kittipan  | Suwalak   | Parama    | Arnone    |  |
| 21/1/2026  | Juthamas   | Juthamas, Areeya             | Sirinart                            | Suwalak                                    | Kittipan  | Supranee  | Wisitsak  | Wises     |  |
| 28/1/2026  | Audi   | Audi, Hung Cuong Truong      | Arnone                              | Wisitsak                                   | kittipan  | Umaporn   | Sakawrat  | Supranee  |  |
| 11/2/2026  | Jittraporn   | Jittraporn, Siwakorn         | Supranee                            | Sakawrat                                   | Wisitsak  | Sirinart  | Chukkris  | Wises     |  |
| 18/2/2026  | Weawwadee  | Weawwadee, Supanut           | Auttawit                            | Sonwit                                     | Wises     | Umaporn   | Arnone    | Parama    |  |
| 25/2/2026  | Wanaporn   | Wanaporn, Thitima            | Suwalak                             | Pratsanee                                  | Sonwit    | Kittipan  | Parama    | Wisitsak  |  |
| 11/3/2026  | Panjamaporn  | Panjamaporn, Kansuda         | Chukkris                            | Umaporn                                    | Auttawit  | Wises     | Wisitsak  | Kittipan  |  |
| 18/3/2026  | Kanyanat   | Kanyanat, Pasinee            | Pratsanee                           | Auttawit                                   | Kittipan  | Suwalak   | Wises     | Sonwit    |  |
| 25/3/2026  | Patharakan   | Patharakan, Chanakan, Ploy   | Sonwit                              | Supranee                                   | Umaporn   | Parama    | Kittipan  | Sakawrat  |  |
|            | 14 <sup>th</sup> MMC (to be announced later)                               |                              |                                     |  |           |           |           |           |  |