

# **Course orientation**

## **MD647 703 Experimental Parasitology**

**Course organizer : Assoc. Prof. Thewarach Laha  
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# Course organizer



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# Course description

- Good laboratory practice, health GIS, In vitro and in vivo cultivation of parasites, special techniques for parasitological specimens for identification, serodiagnosis, electron microscopy, genetic markers, basic bioinformatics, gene cloning, phylogenetic analysis, conducting experimental research project, report and presentation

# Course structure

1. Lecture and laboratory class (13 Topics)
2. Special project (Perform experiment, presentation and writing report)

# Timetable

Second Semester (7 Dec 2021 - 1 April 2022)

- Lecture- Tuesday 10.00-11.00 : MD3504
- Lab. - Tuesday 13.00-17.00 : Lab 5 /  
Parasitology Research Lab

# Lecture and laboratory

- 13 Topics: 7 Dec 2021- 8 Mar 2022
- 2 Examinations
  - Midterm Examination (Topic 2-7) – 25 Jan 2022
  - Final Examination (Topic 8-13) – 15 Mar 2022

# Special projects

- Perform experiment under supervision of thesis advisor (7 Dec 2021 – 15 Mar 2022)
- Report submission (draft report 3 copies) - 15 Mar 2022
- Project presentation 20-30 min - 22 Mar 2022 (13.00 - 16.30)
- Final report submission (2 copies) – 1 April 2022

# Paper examination

Two Examinations (Total = 40%)

- Midterm Examination (Topic 2-7) = 20% – 25 Jan 2022
- Final Examination (Topic 8-13) = 20% – 15 Mar 2022



## **Special project**

- Report submission : 15 Mar 2022
- Project presentation : 22 Mar 2022

## **Scores will be deducted in cases of :**

- Absence from the class without letter of leave (0.5 % / time)
- Late report submission (1 % / day)

## **Special project conduction**

- Special project should have been conducted since the beginning of the course.
- Project report format has to follow thesis manual writing (Vancouver Style).

# Report of Special project

- Thesis format of KKU graduate school
- <https://app.gs.kku.ac.th/gs/th/research>
- Content
  - Front cover,
  - Title page (Thai and English)
  - Abstract (Thai and English)
  - Acknowledgement (and dedication-If any)
  - Table of Contents (content, tables, figures, symbols, and abbreviation-If any)
  - Chapter 1 - Introduction
  - Chapter 2 – Literature reviews
  - Chapter 3 - Materials and methods
  - Chapter 4 - Results
  - Chapter 5 - Discussion
  - References
  - Appendix 07
  - Biography (If any)

# Course evaluation

Paper examination	40%
Special project	50%
(Lab performance 30 advisor only, report 40, presentation 10, knowledge 20 : total 100 = 50 %)	
Assignment or report of each lab	10%

## Grading

<b>A</b>	<b><math>\geq 80\%</math></b>
<b>B+</b>	<b><math>\geq 75\% - &lt; 80\%</math></b>
<b>B</b>	<b><math>\geq 70\% - &lt; 75\%</math></b>
<b>C+</b>	<b><math>\geq 65\% - &lt; 70\%</math></b>
<b>C</b>	<b><math>\geq 60\% - &lt; 65\%</math></b>
<b>D+</b>	<b><math>\geq 55\% - &lt; 60\%</math></b>
<b>D</b>	<b><math>\geq 50.00\% - &lt; 55\%</math></b>
<b>F</b>	<b><math>&lt; 50\%</math></b>