Handbook for PhD. Students

Doctor of Philosophy Program

In

Environment and Resource Studies

(International Program)

Faculty of Environment and Resource Studies

Mahidol University

Provided By

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Coordinator PhD.Program

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1. About this Handbook

This handbook provides details of the requirements of the offered program courses for prospective students. It serves as a guide for students to prepare themselves and plan their studies and graduation along with the regulations reinforced by the Program, FGS and University.

However, candidates should be aware that nothing in this manual overrules the Academic Regulations of Graduate Studies, Mahidol University (a copy of which can be viewed at the Faculty of Graduate Studies).

2. Philosophy of the Curriculum

Focus on the process of developing the student to be a person with high level expertise in environment and resources science, able to learn independently, creatively, morally, have wide vision, can work both independently and with a team, be a leader in environmental science, able to integrate the overall knowledge of the environmental system and produce innovative products for the benefit of sustainable development.

3. Objectives of the Program

By the end of the study, students are able to that meet the graduate qualification standards as follows:

1. Demonstrate moral ethics with academic honesty and reliability as a professional in the field of environment and natural resource research;
2. Knowledgeably and comprehensively understand the principles and theories related to the fields of environment and resource management and conduct self-directed learning and follow the advances in academics and technology in those fields;
3. Analyze and criticize research and conduct research of the environment and resources based on professional morals and using correct procedures of research;
4. Work cooperatively with leadership and high responsibility for assigned work;
5. Apply information technology to mathematical and statistical analysis, compilation and discussion for conducting research, research presentation and dissemination

4. Program Learning Outcomes (PLOs)

At the end of study, students will be able to

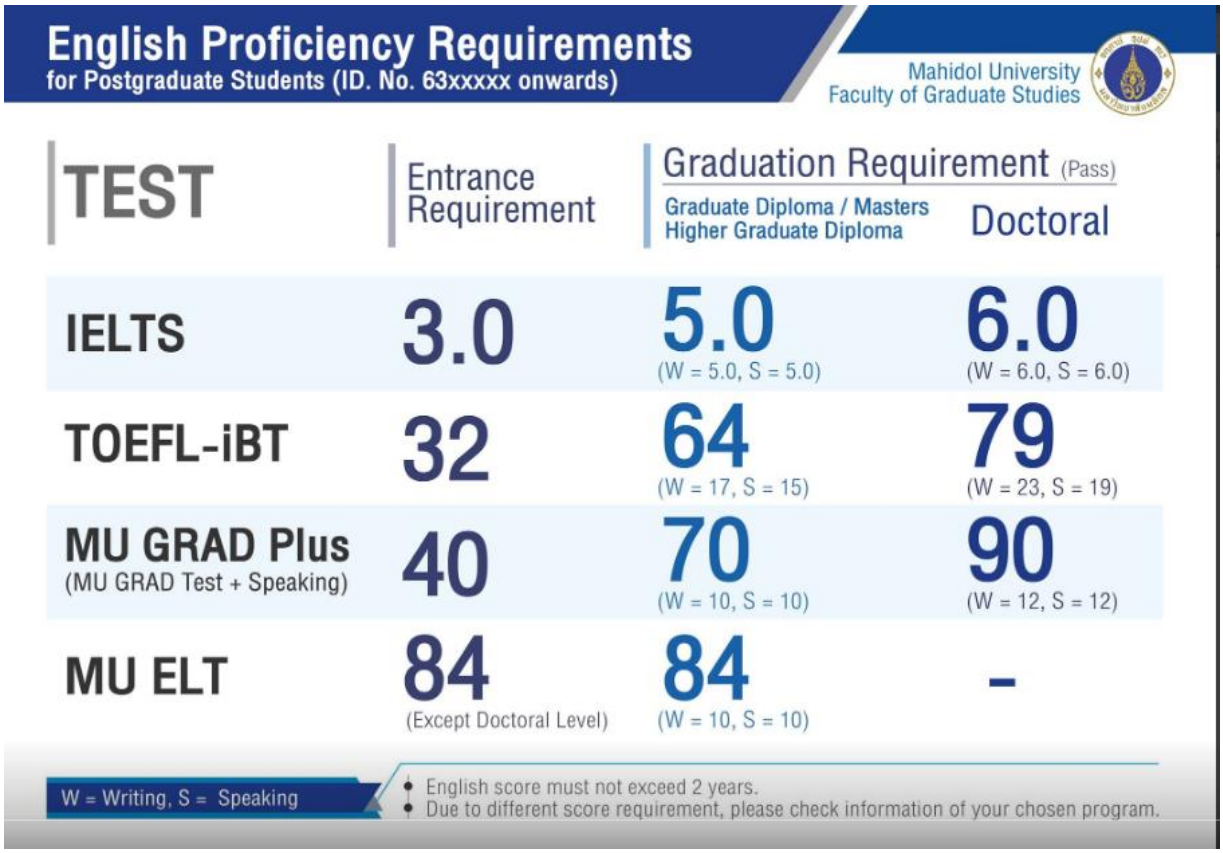
1. Demonstrate moral ethics as a professional in the field of environment and natural resource research
2. Analyze the complex relationships between natural and human systems
3. Solve environmental problems using accurate information, technology and modern tools
4. Integrate facts, concepts, and methods from multidisciplinary approaches to make ethical and informed judgments on complex environmental issues

5. Create novel interdisciplinary research studies for sustainable development at the state, national and regional level in terms of publication and innovation

5. .English Proficiency Requirements

5.1 Students need to pass at least “Entrance Requirements” within 1 year otherwise, they will not be longer eligible to study in the PhD program.

5.2 Before a thesis defense examination, student need to pass “Graduation Requirement”, otherwise students are not able to proceed for the examination.



6. Soft Skill

Graduate students who enter must pass the activities to enhance skills (Soft Skill) as specified by the Graduate School in 4 areas, can choose to study according to the link : https://graduate.mahidol.ac.th/softskills/student/login.php ดังนี้

6.1 Communication and Language Skills

6.2 Leadership and management Skills

6.3 Creative and Innovative Skills

6.4 Digital Skills

7. Venue of Study:

The program will be conducted at the Faculty of Environment and Resource Studies, Mahidol University, 999 Phuttamonthon 4 Road, Salaya, Nakhon Pathom, 73170, THAILAND

8. Study Plan:

Registration:

☐ Students must register as full-time students.

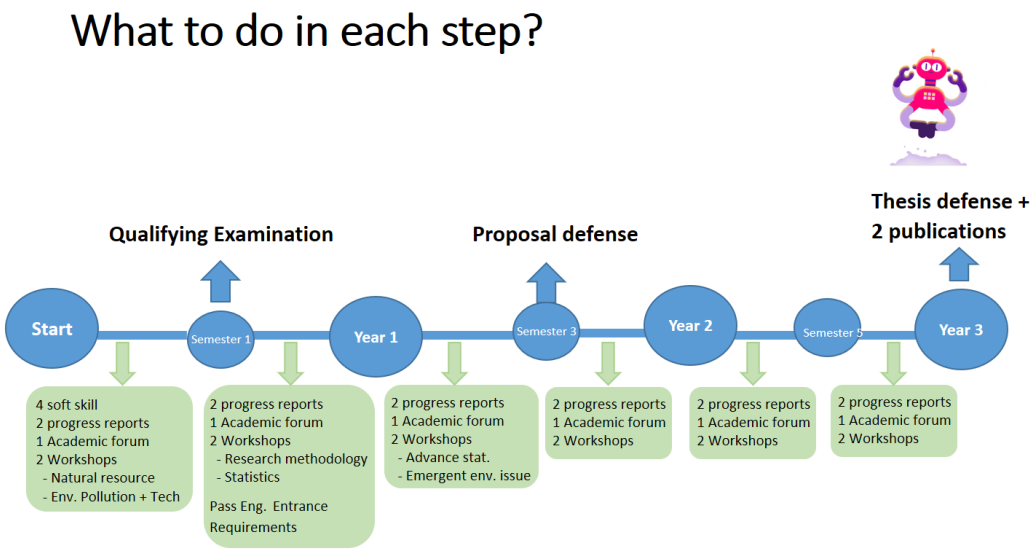
☐ Students must register for ENID 898 Dissertation 48 credits as follows:

Year	Semester 1	Semester 2
1	- Workshop 1: The Natural resources Assessment and Analysis (Appendix C) - Workshop 2: Technology of Environmental Pollution Management (Appendix C) - 4 Soft skills* - Qualifying examination - Proposal Development - Appointment of advisor - 2 Progress reports** - Academic forum***	- Workshop 3: Research Methodology and Academic Writing (Appendix C) - Workshop 4: Advanced Statistics (Appendix C) - Proposal Defense - 2 Progress reports - Academic forum
2	- ENID 898 Dissertation 48 (0 –144–0) - Research activity - 2 Progress reports - Academic forum - Preparation of manuscript #1	- ENID 898 Dissertation - Research activity - 2 Progress reports - Academic forum - Submission manuscript #1 - Preparation of manuscript #2
3	- ENID 898 Dissertation - Research activity - 2 Progress reports - Academic forum - Submission manuscript #2 - Preparation of dissertation	- ENID 898 Dissertation - 2 Progress reports - Academic forum - Dissertation defense - Submission of dissertation - Acceptance letters of 2 publications

Remark

** Progress report – students must present their updated research progress to classmates, program committee and major advisors twice a semester (at the beginning and the end of each semester)

*** Academic forum – students must present their own research topic or relevant research articles the same way as for an academic conference presentation to classmates, program committee and major advisors once a semester (in the middle of each semester).



9. Guideline for examination and presentation

9.1 Guideline for Qualifying Examination

Qualifying Examination's criteria as following details.

1. The major environmental problems facing humanity (20 scores)

2. A research gap or/and research trend on a topic which related to thesis from literatures selected by a student's major advisor (a student has to submit the Qualify Examination and Committee (GR.35) from together with the most 5 relevant papers to qualifying examination committee) (50 scores).

3. How to make use of the research gap (above) to develop student's own research (20 scores).

4. Presentation: students are required to submit a presentation (Power Point) to QE committees 1 week before examination date (10 scores).

See the evaluation in section 9.1

9.2 Guideline for Progress Report & Academic Forum

9.2.1 *Progress Report Evaluation* will be based on only Thesis Major Advisor while program will collect the score evaluating every time (see the evaluation in section 9.2)

9.2.2 *Academic Forum Evaluation*, students would be evaluated Presentation, Punctuality and other issues which are accorded with Expected Learning Outcomes. In addition, in case Thesis Major Advisors cannot attend the activity, the evaluation forms will be sent to them and let them evaluate from Power Point of students. Anyway, the power point of students has to be approved by Thesis Major Advisor before the Academic Forum (see the evaluation in section 9.3).

- For the first year student, the objective of this forum is to consolidate students' literature review skills. The presenter has to present at least 2 papers, which are related to his/her research. The presenter has to submit an abstract of summarized reviews.
- For other student who has his/her own research topic, student is required to present research progress. The presentation will cover an overview, updated results, a thesis completion plan and obstacles and solution (if any). Abstract is included at no longer than 250 words.
- For student who has/prepares a manuscript for publication, student is required to present his/her PhD researches the same way as for an academic conference presentation. Abstract is included at no longer than 250 words.
- Each student has 15 minutes for the presentation and 10 minutes for Q&A.
- If student could not attend the forum, students would be required to submit a formal letter to declare the reasons of the absence approved by advisor. If students are absence without any rational reasons, the Program committees will not approve to extend the study if students meet the deadline.

10. Evaluation of Student Achievement

9.1 Qualifying Examination

Mahidol University
Faculty of Environment and Resource Studies

Doctor of Philosophy in Environment and Resource Studies Programme

MARKING SHEET

Qualifying Examination

Date

Time

Location

Candidate

Examiner

	Comments:	Mark:
1. The major environmental problems facing humanity (20 points)		
2. A Research gap or/and research trend on a topic which related to thesis from literatures (50 points)		
3. How to make use of the research gap (above) to develop student's own research (20 points)		
4. Academic presentation (10 points)		
Result:	Total score □ Passed (score >60) □ Failed	…….....

……
Examiner's signature

FERS PhD form 6

9.2 Progress Report

☐ Evaluation from Program Committee

PhD2
29-05-2017

Evaluation form of dissertation progress
Twice in one Semester

Student Name ……Semester……Academic Year……..

Category	Excellent (5)	Very good (4)	Good (3)	Fair (2)	Poor (1)
Responsibility					
Research/Analytical ability					
Written communication skills					
Oral communication skills					
Total					

Program committee signature ……

(……)

Date……

☐ Evaluation from Advisor

PhD1
29-05-2017

Evaluation form of dissertation progress (for advisors only)
Twice in one Semester

Student Name ……Semester……..Academic Year……..

Category	Excellent (5)	Very good (4)	Good (3)	Fair (2)	Poor (1)
The student's responsibility and effort on the assigned task					
The appropriateness and adaptability of the research plan and methodologies					
The student's knowledge of the research discipline relative to the dissertation					
The student's independence of thought, creativity, and ability to design and accomplish the dissertation					
Written communication skills					
Oral communication skills					
Total					

Advisor signature ……

(……)

Date……

9.3 Academic Forum

☐ Evaluation from Committee/Advisor and PhD.Student

PHD ACADEMIC FORUM EVALUATION FORM

PhD4
08-02-2018

Name of presenter_____ PhD: ___Y1 ___Y2 ___Y3 or more_____					
COMMUNICATION SKILLS	**Excellent (5)**	**Very good (4)**	**Good (3)**	**Fair (2)**	**Poor (1)**
1. Were the slides easy to read & interpret?					
2. Did graphics support text and add to the presentation?					
3. Did the student clearly explain the research design or methods used?					
4. Was the presentation pace appropriate within time provide?					
KNOWLEDGE AND ANALYTICAL SKILL					
5. Did the student demonstrate a thorough understanding of the subject matter?					
6. Did the student critically evaluate the literature?					
7. Were the conclusions justified by the data presented?					
8. Did the student answer questions accurately and concisely?					
OVERALL EVALUATION					

Other comments _____

_____

_____

Evaluator: ____ Student _____ Program committee_____Supervisor Date:

PhD4- 29-05-2017

Remark : For the Progress Report present the PhD committee use evaluation as: https://en.mahidol.ac.th/index.php/curriculum/phd/phd

9.4 Thesis Process

9.4.1 Evaluation for Proposal Defense

Research Proposal Evaluation Form Program..... Faculty of Environment and Resource Studies, Mahidol University

Thesis Title.....

Name-Last name.....Student ID.....Name-Last name of Evaluator .....

Competency	Evaluation Criteria				Obtained Score	
	Very good (100 – 81)	Good (80 – 71)	Fair (70 – 51)	Improvement Required (50 - 0)	Points	Points X Weight
1. The established research objectives based on the research questions are in accordance with the program philosophy. **(30%)**	- The research questions are in line with the program philosophy. - The research questions are clear and in line with the objectives. - There are up to date supporting details that are in line with the content as well as at least 2 references from reliable sources that are no more than 3 years old.	- The research questions are in line with the program philosophy. - The research questions are clear and in line with the objectives. - There are up to date supporting details that are in line with the content as well as at least 3-5 references from reliable sources that are no more than 5 years old.	- The research questions are in line with the program philosophy - The research objectives and questions are unclear but revisable - There are no up to date supporting details that are in line with the content.	- The research questions are not in line with the program philosophy - The research objectives and questions are neither clear nor revisable.		= (..... X 0.3)
2. The ability to systematically plan the research methods that are in line with the objectives. **(40%)**	- The research plan is clearly and systematically divided into stages. - The plan is in line with the objectives. - The selected tools, equipment, and analyzing devices are proper for all the samples and the required information.	- The research plan is clearly divided into stages. - The plan is in line with the objectives. - The selected tools, equipment, and analyzing devices are proper for 70% of the samples and the required information.	- The stages in the plan are unclear but can be put in order. - More than 70% of the plan is in line with the objectives. - The selected tools, equipment, and analyzing devices are proper for 50% of the samples and the required information.	- The plan is unclear. - The plan is not in line with the objectives. - The selected tools, equipment, and analyzing devices are improper for more than 50% of the samples and the required information.		= (..... X 0.4)
3. The ability to put the research proposal documents and	- The documents are completely arranged in accordance with the form and the appropriate font is used.	- The documents are completely arranged in accordance with the form.	- The documents are arranged in accordance with the form.	- The documents are not arranged in accordance with the form.		= (..... X 0.1)

Competency	Evaluation Criteria				Obtained Score	
	Very good (100 – 81)	Good (80 – 71)	Fair (70 – 51)	Improvement Required (50 - 0)	Points	Points X Weight
their content into the proper sequence with appropriate language. **(10%)**	- The sequence of the relevant content is complete and concise. - The appropriate academic written language is used with complete reference sources. - The illustrations used are clear and in line with the content with complete reference sources.	- The sequence of the relevant content is complete. - The appropriate academic written language is used with more than 70% of reference sources. - The illustrations used are clear and in line with the content with 70% of reference sources shown.	- More than 70% of the content is put into proper sequences. - The overall appropriate written language and more than 50% of reference sources are found. - The illustrations used are proper but of bad quality with more than 50% of reference sources shown.	- The content is poorly sequenced and superfluous. - The language used is not appropriate for academic writing with the absence of reference sources. - More than 50% of the illustrations are not relevant to the content.		
4. The ability to deliver an oral presentation of the research proposal that is easy to understand with proper use of media **(10%)**	- Good presentation sequence with concise content - Spoken language is in line with the content and easy to understand. - Body language used during the presentation is in line with the content presented. - Media used for the presentation such as color, image, and font size is proper and consistent - Confidence is demonstrated throughout the presentation such as the ability to answer questions, sufficient eye	- Good presentation sequence with fairly concise content - Spoken language is in line with the content - Body language is used during the presentation - Media used for the presentation such as color, image, and font size is proper - Confidence is demonstrated throughout the presentation such as the ability to answer questions, sufficient eye contact.	- The sequence is somewhat confusing but the content is still concise. - Spoken language is in line with the content. - There is an attempt to use body language during the presentation. - Media used for the presentation such as color, image, and font size is clear. - Nervousness is found to a certain extent during the presentation but in enough control until the presentation is completed.	- The sequence is somewhat confusing. - Improper language - Improper presentation media - Nervousness is apparently shown and not in enough control to complete the presentation.		= (..... X 0.1)

Research Proposal Evaluation Form Program..... Faculty of Environment and Resource Studies, Mahidol University

Competency	Evaluation Criteria				Obtained Score	
	Very good (100 – 81)	Good (80 – 71)	Fair (70 – 51)	Improvement Required (50 - 0)	Points	Points X Weight
	contact with the audience, and speech volume.					
5. The ability to answer questions and discuss them with the committee with a full understanding and knowledge of the research content **(10%)**	- The ability to answer questions and discuss further details with precise academic information when asked by the committee.	- The answers given to certain questions are somewhat ambiguous but the overall understanding of the research work is still shown.	- Unable to answer more than 50% of the questions - Unable to discuss further details apart from those in the presentation	- Unable to answer any questions - Unable to demonstrate a full understanding and knowledge of the research		= (..... X 0.1)
				Total score (maximum score = 100)		

Suggestions.....

.....

Evaluator.....Date.....

Evaluation criteria

- **"Pass"** = The evaluation scores of the 5 competency areas are in the "Good" category, or higher, with the total score higher than 70
- **"Pass with conditions"** = The evaluation scores of the competency area 1 – 3 are below the "Good" category with the total score of 50 – 69
- **"Not pass"** = The evaluation scores of the competency area 1 – 3 are below the "Fair category" with the total score lower than 50

9.4.2 Evaluation for Thesis Defense

Thesis Defense Evaluation Form Program..... Faculty of Environment and Resource Studies, Mahidol University

Thesis Title.....

Name-Last name.....Student ID.....Name-Last name of Evaluator .....

Competency	Evaluation Criteria			Score	
	Pass (100 – 80)	Fair (79 – 51)	Not pass (50 – 0)	Points	Points X Weight
1. The thesis is conducted in line with the program philosophy **(40%)**	- The thesis was completely conducted following the methodology stated in the proposal. - The thesis is conducted in accordance with the ethical procedures for research (human beings, animals, plant species, and microbes (N/A) - The result analysis and the interpretation of data were entirely conducted. - The supporting data presented in the result discussion are in line with the content. - There are references from reliable sources that are entirely coherent with the contextual content.	- The thesis was partially conducted following the methodology stated in the proposal. - The thesis is conducted in accordance with the ethical procedures for research (human beings, animals, plant species, and microbes (N/A) - The result analysis and the interpretation of data were partially conducted. - The supporting data presented in the result discussion are incomplete. - The references from reliable sources that are coherent with the contextual content are incomplete.	- The thesis was not conducted following the methodology stated in the proposal. - The result analysis and the interpretation of data are absent. - references from reliable sources are absent.		= (..... X 0.4)
2. The research report was conducted following the ethical standards and form. **(30%)**	- The documents are arranged following the standard format. - The arrangement of the relevant academic content is complete and concise. - The presentation format is proper. - The illustrations in the presentation are proper. (N/A)	- The documents are not arranged following the standard format. - The arrangement of the relevant academic content is incomplete. - The presentation format is partially improper. - Some of the illustrations are not in line with the content.	- The documents are not arranged following the standard format. - A proper sequence of content is absent. - Improper illustrations (N/A) - References of significant data are absent.		= (..... X 0.3)

Thesis Defense Evaluation Form Program..... Faculty of Environment and Resource Studies, Mahidol University

Competency	Evaluation Criteria			Score	
	Pass (100 – 80)	Fair (79 – 51)	Not pass (50 – 0)	Points	Points X Weight
	- The written language is grammatically correct with complete reference sources.	- Parts of the written language are not academically appropriate with more than 60% of reference sources.			
3. The ability to deliver an oral presentation of the research proposal that is easy to understand with proper use of media **(10%)**	- Good presentation sequence with concise content - Spoken language is in line with the content and easy to understand. - Body language used during the presentation is in line with the content presented. - Media used for the presentation such as color, image, and font size is proper and consistent - Confidence is demonstrated throughout the presentation such as the ability to answer questions, sufficient eye contact with the audience, and speech volume.	- The sequence is somewhat confusing but the content is still concise. - Spoken language is in line with the content. - Media used for the presentation such as color, image, and font size is clear. - Nervousness is found to a certain extent during the presentation but in enough control until the presentation is completed.	- No content sequencing in the presentation - The presentation is hard to follow. - Media used for the presentation such as color, image, and font size is clear. - Nervousness is apparently shown and not in enough control to complete the presentation.		= (..... X 0.1)
4. The ability to answer questions and discuss them with the committee with a full understanding and knowledge of the research content **(20%)**	- The ability to answer questions and discuss further details with precise academic information when asked by the committee.	- The answers given to certain questions are somewhat ambiguous but the overall understanding of the research work is still shown.	- Unable to answer more than 50% of the questions - Unable to discuss further details apart from those in the presentation		= (..... X 0.2)
				Total score (maximum score = 100)	

Remark N/A = Not applicable

Suggestions.....

Thesis Defense Evaluation Form Program..... Faculty of Environment and Resource Studies, Mahidol University

.....

Assessor .....Date.....

Evaluation criteria

- **"Pass"** = The evaluation scores of the competency area 1 and 2 are in the "Pass" category, with the total score higher than 80
- **"Pass with conditions"** = The evaluation scores of the competency area 1 and 2 are in the "Fair" category, with the total score of 60 – 79
- **"Not pass"** = The evaluation scores of the competency area 1 and 2 are in the "Not pass" category, with the total score lower than 60

Total score..... **Result** ( ) Pass ( ) Pass with conditions.....days ( ) Not pass

In the case of "Pass with conditions", suggested corrections and revisions are as follows:

.....

.....

Note The program reserves the right to consider and adjust the assigned weight in each competency area as well as the evaluation criteria as seems appropriate.

The resolution of the PhD meeting No. 9/2564 B.E. dated September 15, 2021

11. Grant and Reward

5.1 Research Supplies Fee Allocation

Our program has a Research Supplies Fee Allocation to support our students to conduct quality master research. This allocation is for our students who pass their thesis proposal defense by 3rd semester after starting the study. https://en.mahidol.ac.th/images/curriculum/phd/suppliesFee.pdf

5.2 Publication Reward for Graduate students in Faculty of Environment and Resource Studies

*The condition is changed every year, Please recheck the conditions with staff of Faculty of Environment and resource studies. https://en.mahidol.ac.th/index.php/curriculum/phd/phd

12. Facilities

- **Common room and the use of common room**
  - 1st floor of Building 4
  - Allocated working space (a desk) and store (a locker) for each PhD
  - When leaving the room, keep your belonging in own locker every time
  - Keep clean
  - Do not cook and leave leftover food/drink
  - Do not stay over 8.00 pm.
  - Sharing space should be shared (big table and cabin)
  - Use common sense and be considerate
- **Library on the 2nd floor of building**
  - 2,500 sheets of paper for printing are provided for non-lab research only
  - For lab-research, there are some basic chemicals provided

13. Registration Fee for the Academic Year 2023

Descriptions	Total	Year 1		Year 2		Year 3	
	Amount	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2
-Education Services Fee @ 10,000/ year	30,000	5,700	4,300	5,700	4,300	5,700	4,300
-Student Activities Fee @ 250/ semester	1,500	250	250	250	250	250	250
-Graduate Studies Fee @ 750/ semester	4,500	750	750	750	750	750	750
-Internet Service @ 500/semester	3,000	500	500	500	500	500	500
-Graduate Tuition Fee	0	0	0	0	0	0	0
-Research Supplies Fee	300,000	0	0	150,000	150,000	0	0

Descriptions	Total	Year 1		Year 2		Year 3	
	Amount	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2
-*Special Equipment @5,000/ semester	30,000	5,000 0	5,000 0	5,000	5,000	5,000	5,000
-Thesis Register	72,000	4,200	0	36,000	36,000	0	0
-QE	4,200			0	0	0	0
Sub-Total (Baht)	**445,200**	**16,400**	**10,800**	**198,200**	**196,800**	**12,200**	**10,800**
Others (for International Students) Health Insurance	10,500	3,500	0	3,500	0	3,500	0
Total (Baht)	455,700	19,900	10,800	201,700	196,800	15,700	10,800

Remark *The above fee does not include MU-CIRB fee and Soft skills fee. (It depends on student's interest.)

14. Academic System

The academic year is based on 2 semesters:

First semester August 2023 – December 2023

Second semester January 2024 – May 2024

15. Consultation and Supervision

Lecturers who are available for student supervision will normally be comprised of the full-time academic staff of Mahidol University. They have relevant research and teaching expertise and are expected to hold a university appointment for the duration of the course. While the student is taking the coursework, the program director will be the general advisor until the student submitted GR. 44 (Appointment of Thesis/Thematic Paper Proposal Advisor).

16. Monitoring Progress

The lecturer should encourage and ensure that the student is actively engaged in the course in a manner likely to produce significant results by the time of the course examinations. Any unsatisfactory progress on the part of the student should be detailed, and acted upon. The student should be informed verbally and in writing of this, and methods to improve the student's performance will be identified and implemented enabling the student to continue with their studies.

Appendix

Appendix A: Program Committee
Appendix B: Course Registration and Fee Payment for Graduate Students, Academic Year 2023
Appendix C: TQF Workshop 1-4
Appendix D: Thesis process
Appendix E: Process to submit English Score
Appendix F: Rules and Regulations of Soft skills
Appendix G: Channel to contact FGS Staff

A: Program Committee

Doctor of Philosophy Program

in

Environment and Resource Studies (International Program)

Faculty of Environment and Resource Studies, Mahidol University

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Advisor:

Dr.Thomas Neal Stewart		thomasneal.ste@mahidol.ac.th

Program Chair:

Assoc.Prof.Dr. Nathsuda Pumijumnong	02-441-5000 ext.2311	Nathsuda.pum@mahidol.ac.th

Committee & Secretary:

Asst.Prof.Dr. Paramita Punwong	02-441-5000 ext. 1313	paramita.pun@mahidol.edu

Program Committee:

Assoc.Prof.Dr. Benjaphorn Prapagdee	02-441-5000 ext. 1319	benjaphorn.pra@mahidol.ac.th
Assoc.Prof.Dr. Jaruwan Wongthanate	02-441-5000 ext. 1318	jaruwan.won@mahidol.ac.th
Assoc.Prof.Dr. Noppol Arunrat	02-441-5000 ext. 1326	noppol.aru@mahidol.ac.th
Asst.Prof.Dr. Achara Ussawarujikulchai	02-441-5000 ext. 2308	achara.uss@mahidol.ac.th

Assistant Secretary:

Ms. Pailin Bunnak	02-441-5000 ext. 1111	Pailin.bun@mahidol.edu Pailin.bun@mahidol.ac.th

B: Course Registration and Fee Payment for Graduate Students, Academic Year 2023 Faculty of Graduate Studies, Mahidol University

	Registration Process	1st Semester	2nd Semester	Summer
1	Semester start and end dates	Aug 7 - Dec 1, 2023	Jan 8 - May 3, 2024	May 27 - Jul 19, 2024
2	Consultations with advisors for course registration approval (Regarding course registrations deviating from study plans, a request must be approved prior to registration)	From Jun 5, 2023	From Nov 6, 2023	From Apr 22, 2024
3	Registration period via Student Service System on https://graduate.mahidol.ac.th and registration fee payment			
	3.1 Regular registration	Jul 3 - Jul 14, 2023	Dec 4 - Dec 15, 2023	May 6 - May 10, 2024
	3.2 Last day of payment for tuition fees during the regular registration period (If the payment is made after this deadline, the students will be charged 2,000 baht for late registration.)	Aug 4, 2023 (before 10:00 p.m.)	Jan 5, 2024 (before 10:00 p.m.)	May 24, 2024 (before 10:00 p.m.)
	3.3 Late registration (The students will be charged for 2,000 baht)	Aug 7 - Aug 18, 2023	Jan 8 - Jan 19, 2024	May 27 - May 31, 2024
	3.4 Add/Drop course registration (Tuition fee refund for course dropping)			
	3.5 Submission of credit refund request form for the dropped course(s) (during Add/Drop registration period) Remarks: The refund request must be proceeded within the specified period. All requests submitted after the specified period will not be considered.	Aug 7 - Sep 1, 2023	Jan 8 - Feb 2, 2024	May 27 - Jun 14, 2024
	3.6 Last day of payment for tuition fees and fines for late registration (The students will be charged for 2,000 baht)	Sep 1, 2023 (before 10:00 p.m.)	Feb 2, 2024 (before 10:00 p.m.)	Jun 14, 2024 (before 10:00 p.m.)
	3.7 Course withdrawal (No refund)	Aug 19 - Nov 24, 2023	Jan 20 - Apr 26, 2024	Jun 1 - Jul 12, 2024
4	Advisor or program director's approval notice toward the registration results	Within 7 days after receiving student registration request		
5	Invoice and course list will be informed via e-mail to each student. The students can download and print out the invoice for payment to be proceeded at bank counters or through electronic channels.			
	5.1 Regular Registration 5.2 Late Registration 5.3 Add/Drop Course Registration	12 days after student registration request		
6	Announcement of student enrollment's list and payment status on https://graduate.mahidol.ac.th (Student Service System)	From Jul 17, 2023	From Dec 18, 2023	From May 13, 2024
7	The Faculty of Graduate Studies submits the list of students who do not register for courses or	Oct 2, 2023	Mar 4, 2024	---

Registration Process		1st Semester	2nd Semester	Summer
	register without the tuition fee payment for student status suspension.			
8	Course evaluation	Nov 13 - Dec 25, 2023	Apr 22 - May 27, 2024	Jun 24 - Jul 29, 2024
9	Submission of course evaluation summary for the semester to FGS	Within Dec 22, 2023	Within May 24, 2024	Within Jul 26, 2024
10	Grade Report announcement on https://graduate.mahidol.ac.th (Student Service System)	From Dec 23, 2023	From May 25, 2024	From Jul 27, 2024

Update June 6, 2023

C: TQF 3 Workshop 1-4

Workshop 1: The Natural Resources Assessment and Analysis

1. **Background**

   Natural resources are being depleted day by day due to worldwide population growth and economic development. Therefore, the understanding of natural resources, the tools to explore each type of natural resource, and the assessment of natural resources are a top priority before using those natural resources.

2. **Objectives**

   To enable students to:

   - ☐ explain the importance and limitations of each type of natural resource.
   - ☐ to use tools to explore each type of natural resource
   - ☐ to analyze and synthesize data

3. **Expected outcome**

   - ☐ Students understand and recognize the value of each resource
   - ☐ Students are able to use each type of natural resource for maximum benefit and sustainability

4. **Participants**

   PhD students who are in the 1st year (1st semester)

5. **Date and venue**

   The second week of the semester

   Faculty of Environment and Resource Studies, Mahidol University, 999 Phutthamonthon Rd 4, Salaya, Phutthamonthon, Nakhon Pathom 73170

6. **Agenda**

Time	Activity	lecturer
8.00-9.00	Registration	
9.00- 10.15	Lecture on Forest Resources, Tools for Inventory, Data Analysis	Assoc. Prof. Dr. Nathsuda Pumijumnong
10.15-10.25	Break	
10.25 -11.30	Lecture on Soil Resources, Soil Surveying Tools, Data Analysis	Asst. Prof. Dr. Noppol Arunrat
11.30 – 12.45	Lecture on Water Resources, Water Surveying Tools, Data Analysis	Assoc. Prof. Dr. Kampanad Bhaktikul
12.45 – 13.45	Lunch	
13.45-15.30	Practice on Resource Surveys and Assessments	PhD students
15.30-15.40	Break	

Time	Activity	lecturer
15.40- 16.30	Presentation and evaluation	All lecturers

7. Student Evaluation

- Five ratings scale for evaluation: Excellent, Good, Moderate, Fair, and Poor
- Evaluation topics:
  - i) Course contents are essential knowledge and applicable.
  - ii) Course contents are appropriate in accordance with course objectives.
  - iii) Satisfaction towards each lecturer's ability to transfer knowledge.
  - iv) Satisfaction towards the teaching method and instructional media of each lecturer.
  - v) Satisfaction towards the facility and any supporting factors.

Workshop 2: Technology of Environmental Pollution Management

1. **Background**

   Environmental pollution has become a serious environmental problem of much concern. Several pollutants, occurring from both natural- and man- made sources are contaminating environmental media, including soil, air, and water. In addition, numerous solid wastes and hazardous wastes are generated from human activities and pollute the environment. Therefore, the best available technology and/ or appropriate solutions for controlling pollutants discharged into the environment are needed to solve these problems.

2. **Objectives**

   - ☐ Identify the sources and types of environmental pollutants contaminating the environmental media
   - ☐ Describe the effects of environmental pollutants on the environment and human health
   - ☐ Analyze technology for prevention, control, and mitigation of environmental pollution problems

3. **Expected outcome**

   - ☐ Understand the different types of environmental pollution and its effects on environment and human health
   - ☐ Propose the best available technology for solving and managing environmental pollution problems

4. **Participants**

   PhD students who are in the 1st year (1st semester)

5. **Date and venue**

   The third week of the semester

   Faculty of Environment and Resource Studies, Mahidol University, 999 Phutthamonthon Rd 4, Salaya, Phutthamonthon, Nakhon Pathom 73170

6. Agenda

Time	Activity	lecturer
08.00-08.30	Registration	
08.30- 10.00	Lecture on: - Environmental pollutants and their effects on environment and human health - Soil pollution and treatment technology of contaminated soil - Air pollution, air pollution control technology and mitigation measures	Assoc. Prof. Dr. Benjaphorn Prapagdee
10.00-10.15	Break	
10.15 -11.45	Lecture on: - Pollution prevention - Water pollution and management - Water quality analysis - Wastewater treatment technology	Assoc. Prof. Dr.Jaruwan Wongthanate
11.45 – 13.00	Lunch	
13.00 – 14.30	Lecture on: - Solid and hazardous waste management - Technology of solid waste treatments and waste utilization - Laws and regulations for waste management	Asst. Prof. Dr. Achara Ussawarujikulchai
14.30-14.45	Break	
14.45-16.15	Criticize the case studies on the current issues of technology of environmental pollution management: Soil, air, water pollution and waste management	All lecturers
16.15- 16.30	Course summary	All lecturers

7. Student Evaluation

- Five ratings scale for evaluation: Excellent, Good, Moderate, Fair, and Poor
- Evaluation topics:
  - vi) Course contents are essential knowledge and applicable.
  - vii) Course contents are appropriate in accordance with course objectives.
  - viii) Satisfaction towards each lecturer's ability to transfer knowledge.
  - ix) Satisfaction towards the teaching method and instructional media of each lecturer.
  - x) Satisfaction towards the facility and any supporting factors.

Workshop 3: Research Methodology and Academic Writing

1. **Background**

   Research methodology is important for those studying at a higher education level to provide a framework for initiating research work and related issues which include the importance and origin of the problem, raising questions in research, setting objectives, etc. It also covers literature review and references, and the systematic writing of methodology. In addition, doctoral students must have their work published in a journal accredited by the Ministry of Higher Education Science, Research and Innovation and journals in databases that are accredited by the Faculty of Graduate School, Mahidol University. Thus, this workshop will cover journal selection advice and precautions for article submission, and will include editing, and response after receiving feedback from peer reviewers.

2. **Objectives**

   ☐ To enable students to be able to write research methodologies correctly.

   ☐ To prepare students to write articles and submit journals that have been certified by the Ministry of Higher Education, Science, Research and Innovation and the Graduate School of Mahidol University.

3. **Expected outcome**

   ☐ Students are able to write research methodologies according to academic principles.

   ☐ Students can write articles and submit journals with confidence.

4. **Participants**

   PhD students who are in the 1st year (2nd semester)

5. **Date and venue**

   The fourth week of the semester

   Faculty of Environment and Resource Studies, Mahidol University, 999 Phutthamonthon Rd 4, Salaya, Phutthamonthon, Nakhon Pathom 73170

6. **Agenda**

Time	Activity	lecturer
08.00-08.30	Registration	
08.30- 10.30	Research Methodology writing: ☐ Chapter I: Rational, research question, objective, scope of study, time line etc. ☐ Chapter II: literature review ☐ Chapter III: methodology ☐ References ☐	Assoc. Prof. Dr. Nathsuda Pumijumnong, Asst. Prof. Dr. Paramita Panwong, Asst. Prof. Dr. Noppol Arunrat

Time	Activity	lecturer
10.30-10.40	Break	
10.40 -11.45	Research methodology exercise	Assoc. Prof. Dr. Nathsuda Pumijumnong, Asst. Prof. Dr. Paramita Panwong, Asst. Prof. Dr. Noppol Arunrat
11.40 – 12.30	Presentation by Ph.D. Student	Assoc. Prof. Dr. Nathsuda Pumijumnong, Asst. Prof. Dr. Paramita Panwong, Asst. Prof. Dr. Noppol Arunrat
12.30 – 13.30	Lunch	
13.30 – 14.30	Academic article writing: Principles of journal selection An introduction to writing articles for journals to be published from an editor's perspective.	Assoc. Prof. Dr. Benjaporn Prapagdee
14.30-14.40	Break	
14.40-15.30	Academic article writing exercise	Dr. Thomas Neal Stewart, Assoc. Prof. Dr. Nathsuda Pumijumnong, Asst. Prof. Dr. Paramita Panwong, Asst. Prof. Dr. Noppol Arunrat
15.30- 16.30	Presentation and Course summary	All lecturers

7. Student Evaluation

- Five ratings scale for evaluation: Excellent, Good, Moderate, Fair, and Poor
- Evaluation topics:
  - xi) Course contents are essential knowledge and applicable.
  - xii) Course contents are appropriate in accordance with course objectives.
  - xiii) Satisfaction towards each lecturer’s ability to transfer knowledge.
  - xiv) Satisfaction towards the teaching method and instructional media of each lecturer.
  - xv) Satisfaction towards the facility and any supporting factors.

Workshop 4: Advanced Statistics

1. **Background**

   Statistical knowledge helps us use the proper methods to collect the data, employ the correct analyses, and effectively present the results. Statistics is a crucial process behind how we make discoveries in science, make decisions based on data, and make predictions. Statistics plays an important role in programming. Nowadays, most advanced statistics is based on programming such as Python.

2. **Objectives**

   - ☐ To recommend the use of appropriate statistics in research
   - ☐ To introduce and practice advance Statistics in Programming

3. **Expected outcome**

   - ☐ Students can use the appropriate statistics in their research.
   - ☐ Students are able to interpret statistical interpretations accurately.

4. **Participants**

   PhD students who are in the 1st year (2nd semester)

5. **Date and venue**

   The fourth week of the semester

   Faculty of Environment and Resource Studies, Mahidol University, 999 Phutthamonthon Rd 4, Salaya, Phutthamonthon, Nakhon Pathom 73170

6. **Agenda**

Time	Activity	lecturer
08.00-08.30	Registration	
08.30- 9.00	Introductory ☐ Definition of statistics ☐ Why are statistics important?	Asst. Prof. Dr. Saranya Sucharitakul
9.00-10.30	Statistics in programming	Asst. Prof. Dr. Noppol Arunrat
10.30 -10.40	Break	
10.40 – 12.00	Statistics in programming exercise	Asst. Prof. Dr. Saranya Sucharitakul
12.00 – 13.00	Lunch	
13.00 – 15.00	Statistics in Big Data science	Assoc. Prof. Dr. Nathsuda Pumijumnong
15.00-15.10	Break	
15.10-16.10	Statistics in Big Data science practices	Assoc. Dr. Nathsuda Pumijumnong, Asst. Prof. Dr. Paramita Panwong

Time	Activity	lecturer
16.10- 16.30	Course summary	All lecturers

7. Student Evaluation

- Five rating scales for evaluation: Excellent, Good, Moderate, Fair, and Poor
- Evaluation topics:
  - xvi) Course contents are essential knowledge and applicable.
  - xvii) Course contents are appropriate in accordance with course objectives.
  - xviii) Satisfaction towards each lecturer's ability to transfer knowledge.
  - xix) Satisfaction towards the teaching method and instructional media of each lecturer.
  - xx) Satisfaction towards the facility and any supporting factors.

D: Thesis process

Program Director submits the name list of the Qualifying Examination Committee and sets up the examination date to FGS within 15 working days before examination date (Form GR.35)

↓

FGS appoints the Qualifying Examination Committee and approves the examination date.

↓

Student takes the Qualifying Examination at the same date specified in the document of the Qualifying Examination appointed by the Dean of FGS

↓

Program Director reports the Qualifying exam evaluation to FGS within 15 working day after examination date

↓

Student must receive approval from his / her advisor to register for the thesis credit

↓

Program Director submits the name of the student's thesis proposal advisor to FGS (a regular instructor with Ph.D. degree or have at least an academic title of no less than an associate professor) (Form GR.44)

↓

FGS appoints the thesis proposal advisor

↓

The thesis proposal advisor gives student advice on his/her thesis proposal and arranges the thesis proposal defense exam within 2 semesters starting from the student's initial registration for a thesis. The thesis proposal advisor nominate the thesis proposal co-advisor when the defense exam date is set.

↓

Program Director submits the name list of the Thesis Proposal Examination Committee and sets up the examination date to FGS within 15 working days before examination date (Form GR.39) (Number of committee members is at least 3 members with Ph.D. degree or have at least an academic title of no less than associate professor, the chair of the committee must be a thesis proposal advisor, and the member must be a regular instructor or external examiner)

↓

FGS appoints the Thesis Proposal Examination Committee and approves the examination date

↓

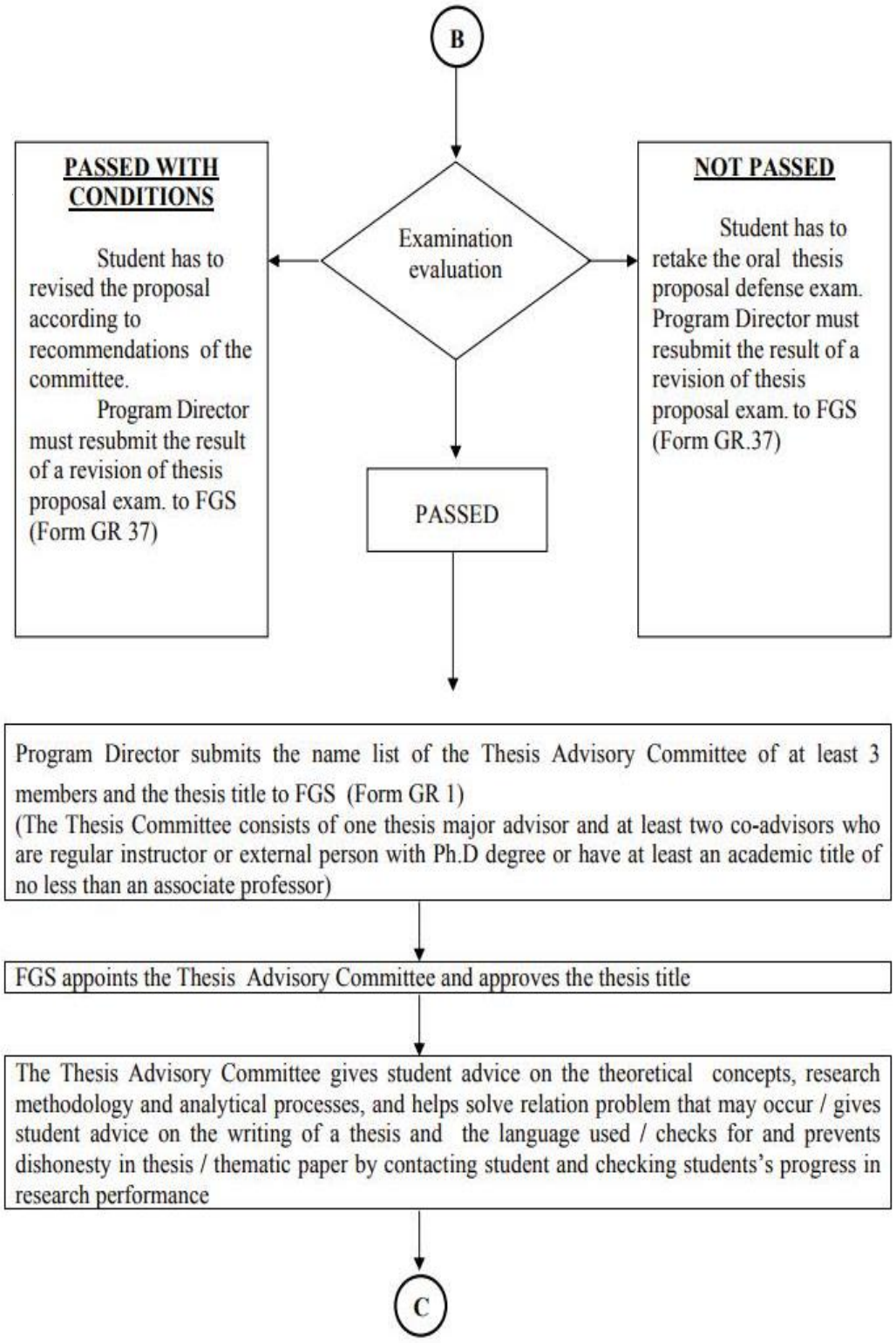
Student takes the Thesis proposal examination at the same date specified in the document of the Thesis / Thematic Paper Proposal Examination Committee appointed by the Dean of FGS

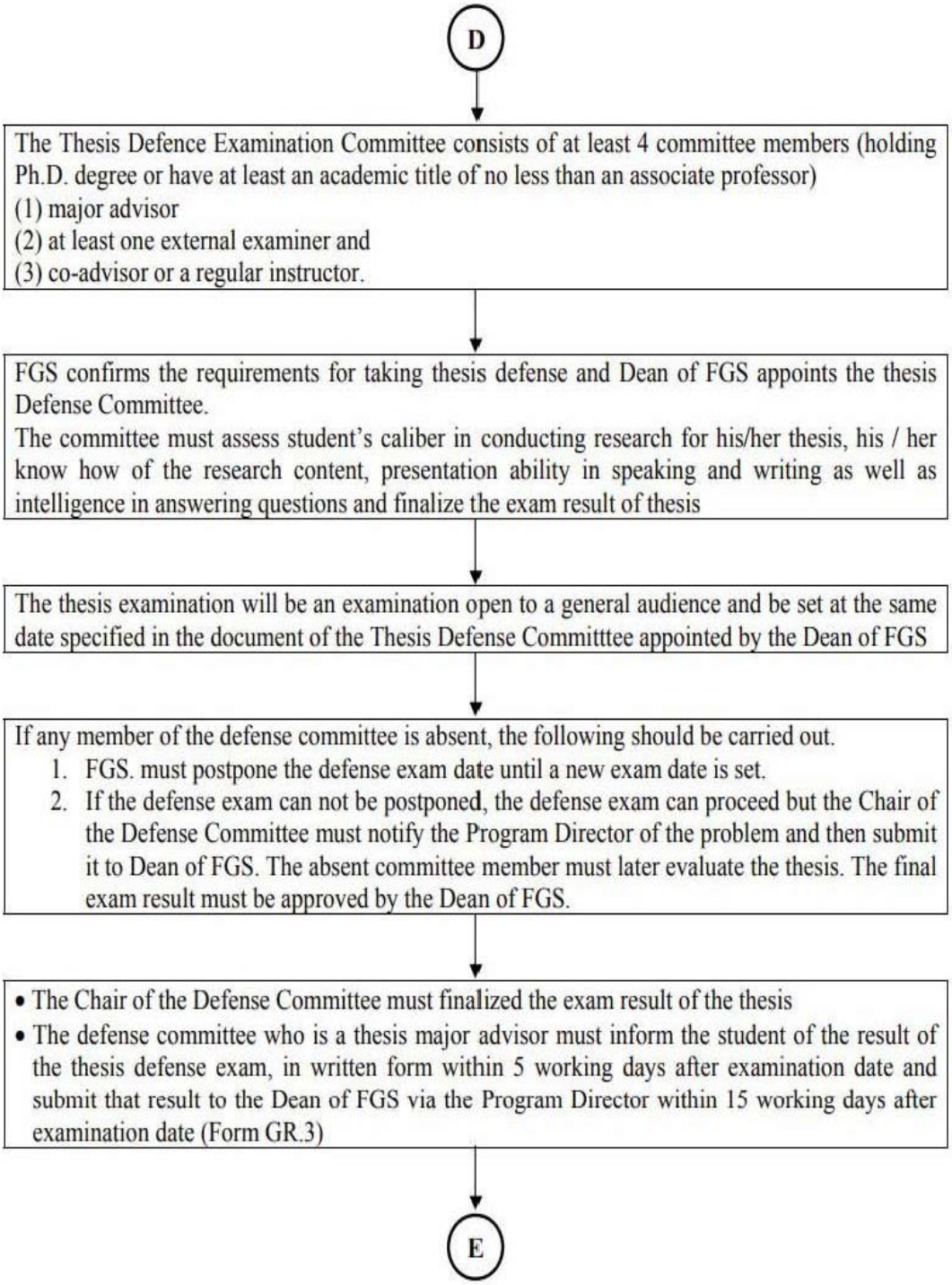
↓

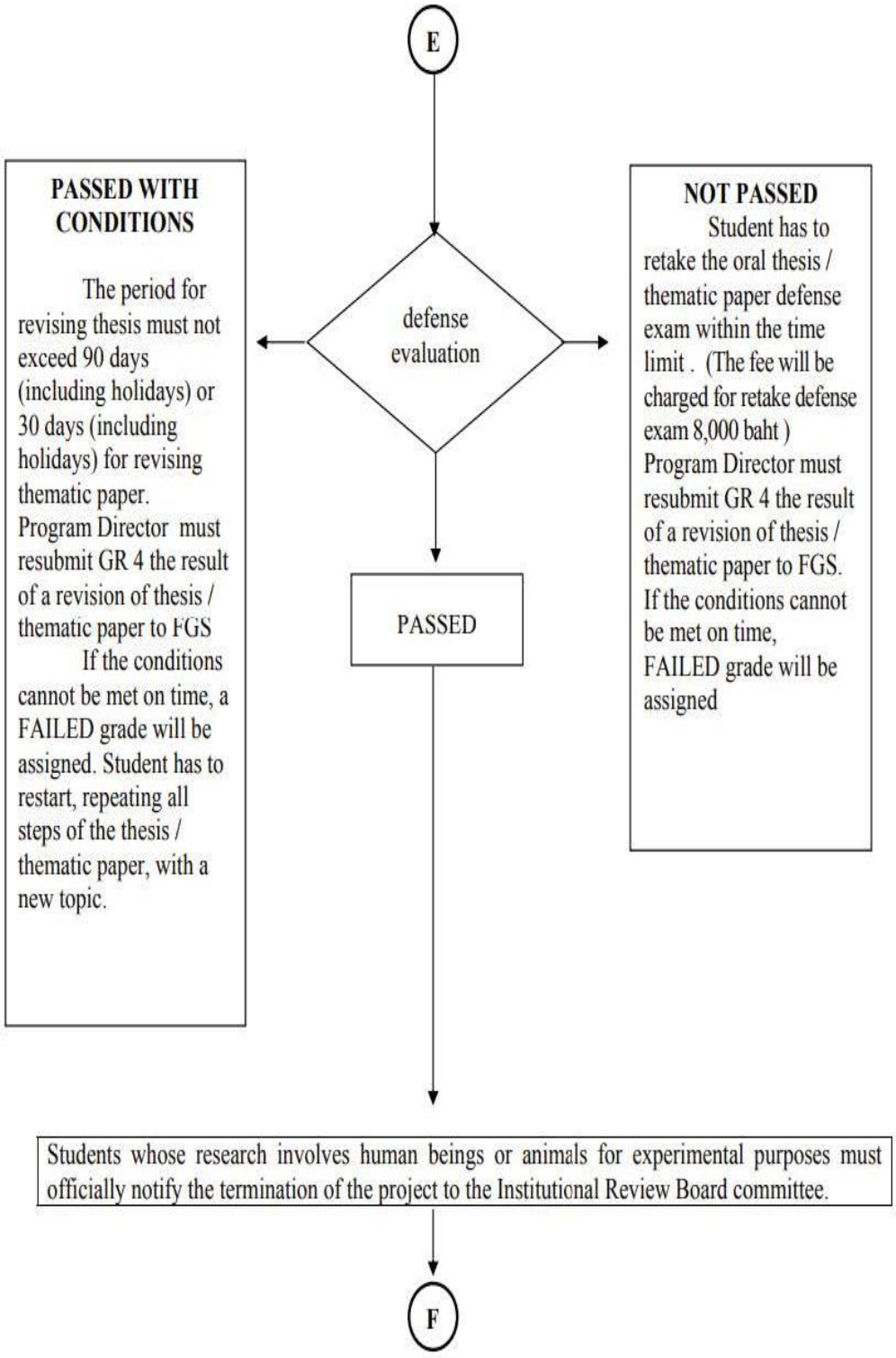
Program Director reports the thesis proposal examination evaluation to FGS within 15 working days after examination date (Form GR.33)

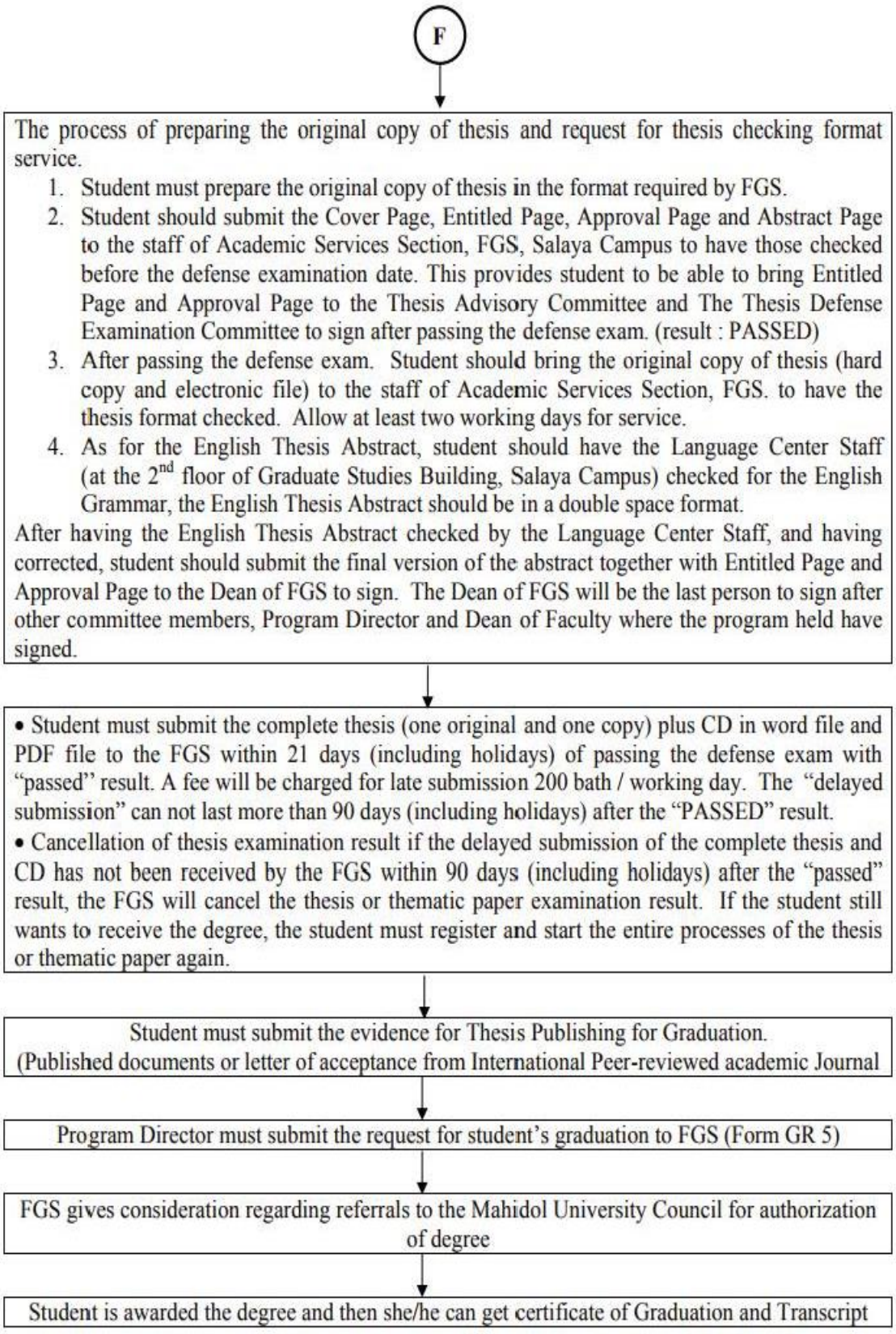
↓

B


B
PASSED WITH CONDITIONS
Student has to revised the proposal according to recommendations of the committee.
Program Director must resubmit the result of a revision of thesis proposal exam. to FGS (Form GR 37)
Examination evaluation
NOT PASSED
Student has to retake the oral thesis proposal defense exam. Program Director must resubmit the result of a revision of thesis proposal exam. to FGS (Form GR.37)
PASSED
Program Director submits the name list of the Thesis Advisory Committee of at least 3 members and the thesis title to FGS (Form GR 1)
(The Thesis Committee consists of one thesis major advisor and at least two co-advisors who are regular instructor or external person with Ph.D degree or have at least an academic title of no less than an associate professor)
FGS appoints the Thesis Advisory Committee and approves the thesis title
The Thesis Advisory Committee gives student advice on the theoretical concepts, research methodology and analytical processes, and helps solve relation problem that may occur / gives student advice on the writing of a thesis and the language used / checks for and prevents dishonesty in thesis / thematic paper by contacting student and checking students's progress in research performance
C


D
The Thesis Defence Examination Committee consists of at least 4 committee members (holding Ph.D. degree or have at least an academic title of no less than an associate professor)
(1) major advisor
(2) at least one external examiner and
(3) co-advisor or a regular instructor.
FGS confirms the requirements for taking thesis defense and Dean of FGS appoints the thesis Defense Committee.
The committee must assess student's caliber in conducting research for his/her thesis, his / her know how of the research content, presentation ability in speaking and writing as well as intelligence in answering questions and finalize the exam result of thesis
The thesis examination will be an examination open to a general audience and be set at the same date specified in the document of the Thesis Defense Committtee appointed by the Dean of FGS
If any member of the defense committee is absent, the following should be carried out.
1. FGS. must postpone the defense exam date until a new exam date is set.
2. If the defense exam can not be postponed, the defense exam can proceed but the Chair of the Defense Committee must notify the Program Director of the problem and then submit it to Dean of FGS. The absent committee member must later evaluate the thesis. The final exam result must be approved by the Dean of FGS.
• The Chair of the Defense Committee must finalized the exam result of the thesis
• The defense committee who is a thesis major advisor must inform the student of the result of the thesis defense exam, in written form within 5 working days after examination date and submit that result to the Dean of FGS via the Program Director within 15 working days after examination date (Form GR.3)
E


E
PASSED WITH CONDITIONS
The period for revising thesis must not exceed 90 days (including holidays) or 30 days (including holidays) for revising thematic paper.
Program Director must resubmit GR 4 the result of a revision of thesis / thematic paper to FGS
If the conditions cannot be met on time, a FAILED grade will be assigned. Student has to restart, repeating all steps of the thesis / thematic paper, with a new topic.
defense evaluation
NOT PASSED
Student has to retake the oral thesis / thematic paper defense exam within the time limit . (The fee will be charged for retake defense exam 8,000 baht)
Program Director must resubmit GR 4 the result of a revision of thesis / thematic paper to FGS.
If the conditions cannot be met on time, FAILED grade will be assigned
PASSED
Students whose research involves human beings or animals for experimental purposes must officially notify the termination of the project to the Institutional Review Board committee.
F



See more details

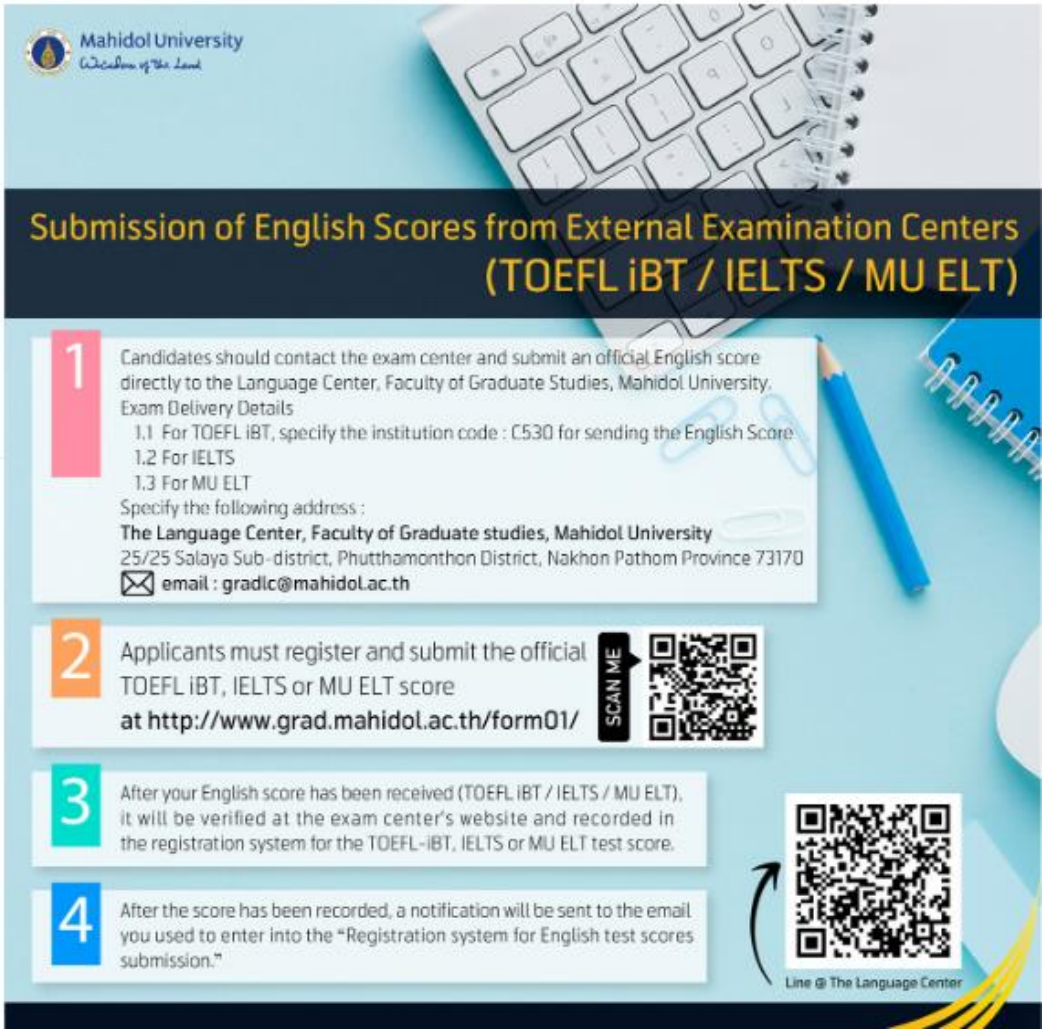
https://graduate.mahidol.ac.th/inter/prospective-students/?topic=english-proficiency

E: Process to submit English Score

The Faculty of Graduate Studies only accepts TOEFL-iBT or IELTS or MU ELT score which directly sent by the test center.

- To submit TOEFL-iBT or IELTS or MU ELT score into FGS database, applicants must comply with following 2 steps:

Contact your test center requesting for delivery service of the score report to Faculty of Graduate Studies, Mahidol University.



See more details

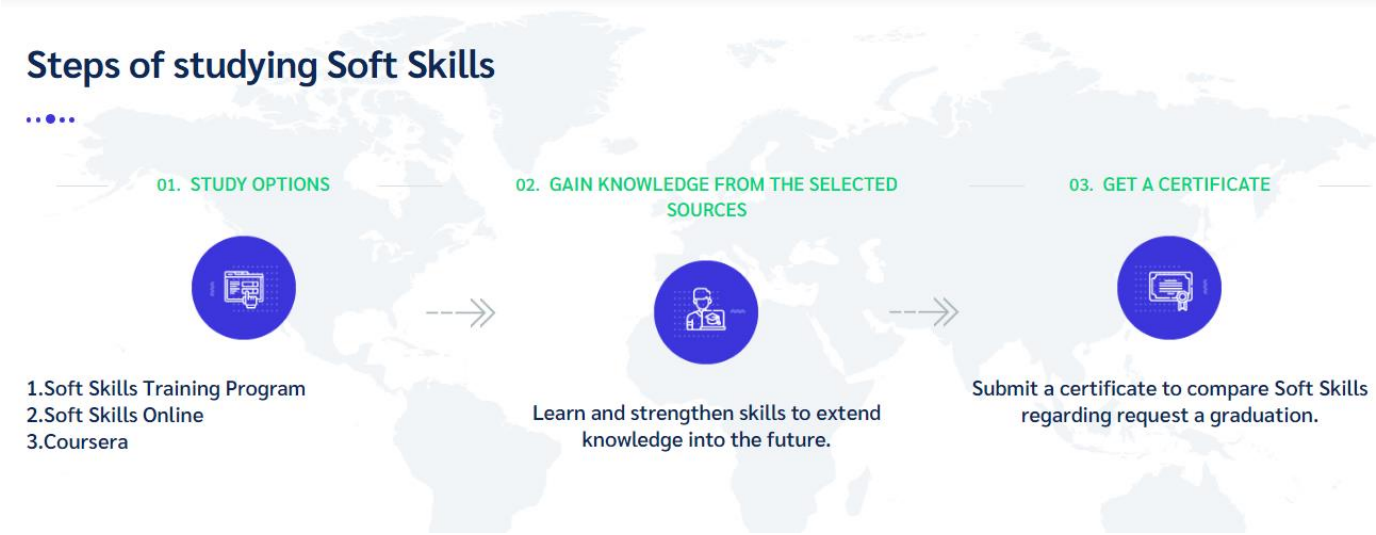
https://graduate.mahidol.ac.th/inter/prospective-students/?p=news&id=TOEFLiBT-IELTS

F: Rules and Regulations of Soft skills

- Postgraduate students whose student numbers begin with 60 onwards must participate in at least two skill development activity held by the FGS. Students can also take part in skill development activities organised by the programme/department to which they belong and/or any centres, institutes or organisations of Mahidol University.
- A skill development activity which students undertake must cover four skills and must not be less than 12 hours. Students must spend at least 3 hours for each skill.
- Students who register for a skill development activity held by the FGS on the website but are absent from attending will not be entitled to undertake any skill development activities held by the faculty for 2 month counting from the starting date of the activity. Nevertheless, in case of cancelation, students must submit a request through the website at least 3 days before the starting date.
- Students must register at the registration desk at the required time. They will not be permitted to register after 15 minutes.

*** Remark

Students can check their information as well as updated status on the website and will receive a certificate 2 days after an activity has finished.



Website: https://graduate.mahidol.ac.th/softskills/inter

Contact: Student Affairs Section

LINE Official ID : @451pslqw

G: Channel to contact FGS Staff