

Doctor of Philosophy Program in Pharmacy (International Program)
Faculty of Pharmacy, Chiang Mai University

1. General Information

1. Name of the Program

Doctor of Philosophy Program in Pharmacy (International Program)

2. Name of the Degree

Full: Doctor of Philosophy (Pharmacy)

Abbreviated: Ph.D. (Pharmacy)

3. Special Expertise of the Program

- None –

4. Total Credit Hours in the Program

Type 1.1 Total credit 48 Credits

Type 1.2 Total credit 72 Credits

5. Program Characteristics

5.1 Period of Study

Type 1.1

The program is designed to be three academic years, and the period of study shall not exceed six academic years.

Type 1.2

The program is designed to be four academic years, and the period of study shall not exceed eight academic years.

5.2 Language

Thai

English

5.3 Admission

Thai student

International student

5.4 Collaboration with other institutions

- This curriculum is for Chiang Mai University
 - This curriculum is a double degree with
Graduate School of Pharmaceutical Sciences, Chiba University, Japan
- Collaboration in terms of
- Chiang Mai University is the one which offers the degree
 - Both universities offer the degree

5.5 Degree for a graduate

In case of Chiang Mai University's curriculum

- Offering a degree in one program
- Offering a degree in more than one program

In case of a collaboration curriculum

- Offering a degree in one program and the degree will be issued by each
University/institute
- Offering a degree in on program and it is a joint degree with
.....
- Offering a degree in more than one program

6. Curriculum and Lecturers of the program

6.1 Curriculum

6.1.1 Credits

Type 1.1	Total Credit	48 credits
Type 1.2	Total Credit	72 credits

6.1.2 Curriculum Structure

Type 1.1: Student with Master's Degree	
Total credit	48 credits

A.	Thesis	48 credits
	455899 Thesis	48 credits

B. Academic activities

- 1) A student has to present a dissertation-related topic seminar and progress report in English with appropriate presentation skills once per semester for at least three semesters and attend a seminar every semester during the study. The seminar will be arranged according

to the protocol set by the Graduate Study Administrative Committee.

- 2) At least two dissertation works or parts of dissertation work must be published or accepted to publish having the student as the first author in an international journal. One must be listed in ISI, Scopus, IEEE, PubMed or Web of Science database. At least one dissertation work or a part of dissertation work must be presented in an international conference accepted by the field of study.

For a student who attends the double degree program, each student must have at least two publications having the student as the first author in an international journal listed in ISI, Scopus, IEEE, PubMed or Web of Science database. At least one publication must have a corresponding author from Faculty of Pharmacy, Chiang Mai University, and at least one publication must have a corresponding author from Graduate School of Pharmaceutical Sciences, Chiba University. At least one dissertation work or a part of dissertation work must be presented in an international conference accepted by the field of study.

- 3) A student has to report his/her dissertation progression using the Graduate School dissertation progress report form. The dissertation progress reports have to be approved by the Chairperson of the Graduate Study Committee of the Faculty of Pharmacy and submitted to the Graduate School every semester.
- 4) A student who has to do animal testing or clinical study or biotechnology must be certified about the ethical and legal issues in research involving animal or human experimentations or biotechnological study before starting a dissertation. A student conducting research using plant variety must obtain permission from the Plant Variety Protection Division, with a letter of approval from the Plant Variety Protection Office, according to the Plant Variety Protection Act, B.E. 2542, Section 53.
- 5) Thai student who participates the double degree program is required to have his/her dissertation proposal approved by the Graduate Study Committee of the Faculty of Pharmacy, Chiang Mai University before doing dissertation work at Graduate School of Pharmaceutical Sciences, Chiba University. Furthermore, Thai students are expected to complete all courses and any academic works required to satisfy the requirements at the Graduate School of Pharmaceutical Sciences, Chiba University. On the other hand, the students from Chiba University are also required to implement all academic activities provided and supervised by the Graduate Study Committee of the Faculty of Pharmacy, Chiang Mai University.

C. Non-credit Courses

- | | |
|--------------------------------|--|
| 1. Graduate School requirement | A foreign language |
| 2. Program requirement | Advisory committee may assign the student to take any basic courses related to his/her dissertation (register as a visitor (V) or additional non-credit academic activities. |

D. Qualifying Examination

- 1) A student must complete a qualifying examination to evaluate his/her research and academic abilities. Only students passing the qualifying examination are allowed to present his/her dissertation proposal.
- 2) An unsuccessful examinee may apply to take a re-examination within the following semester.
- 3) An examinee who fails the re-examination may be transferred to the Master's degree program with the approval of the Graduate Study Administrative Committee.

6.1.2.2 Type 1.2: Student with Bachelor's Degree

Total credit	72 credits
A. Thesis	72 credits
455898 Thesis	72 credits

B. Academic Activities

- 1) A student has to present a dissertation-related topic seminar and progress report in English with appropriate presentation skills once per semester for at least four semesters and attend seminars every semester during the study. The seminar will be arranged according to the protocol set by the Graduate Study Administrative Committee.
- 2) At least two dissertation works or a part of dissertation work must be published or accepted to publish in an international journal listed in ISI, Scopus, IEEE, PubMed or Web of Science database. The publications must have the student as the first author. At least one dissertation work or a part of dissertation work must be presented in an international conference accepted by the field of study.

For a student who attends the double degree program, each student must have at least three publications having the student as the first author in an international journal listed in ISI, Scopus, IEEE, PubMed or Web of Science database. At least two publications must have corresponding authors from Faculty of

Pharmacy, Chiang Mai University. At least one publication must have a corresponding author from Graduate School of Pharmaceutical Sciences, Chiba University. At least one dissertation work or a part of dissertation work must be presented in an international conference accepted by the field of study.

- 3) A student has to report his/her dissertation progression using the Graduate School dissertation progress report form. The dissertation progress reports have to be approved by the Chairperson of the Graduate Study Committee of the Faculty of Pharmacy and submitted to the Graduate School every semester.
- 4) A student who has to do animal testing or clinical study or biotechnology must be certified about the ethical and legal issues in research involving animal or human experimentations or biotechnological study before starting a dissertation. A student conducting research using plant variety must obtain permission from the Plant Variety Protection Division, with a letter of approval from the Plant Variety Protection Office, according to the Plant Variety Protection Act, B.E. 2542, Section 53.
- 5) Thai student who participates the double degree program is required to have his/her dissertation proposal approved by the Graduate Study Committee of the Faculty of Pharmacy, Chiang Mai University before doing dissertation work at Graduate School of Pharmaceutical Sciences, Chiba University. Furthermore, Thai students are expected to complete all courses and any academic works required to satisfy the requirements at the Graduate School of Pharmaceutical Sciences, Chiba University. On the other hand, the students from Chiba University are also required to implement all academic activities provided and supervised by the Graduate Study Committee of the Faculty of Pharmacy, Chiang Mai University.

C. Non-credit Courses

1. Graduate School requirement A foreign language
2. Program requirement Advisory committee may assign the student to take any basic courses related to his/ her dissertation (register as a visitor (V) or additional non-credit academic activities

D. Qualifying Examination

- 1) A student must complete a qualifying examination to evaluate his/her ability. Only students passing the qualifying examination are allowed to present his/her dissertation proposal.
- 2) An unsuccessful examinee may take a re-examination within the following semester.

- 3) An examinee who fails the re-examination may be transferred to the Master's degree program with the approval of the Graduate Study Administrative Committee.

Remark :

A student in double degree program must submit one dissertation containing research results obtained from both programs.

6.1.3 Courses

- (1) Required Courses
- None -
- (2) Elective courses (Field of Concentration)
- None -
- (3) Elective courses (Outside Field of Concentration)
- None -
- (4) Thesis/Independent Study
- | | | |
|--------|--------|------------|
| 455898 | Thesis | 72 credits |
| 455899 | Thesis | 48 credits |

7. Study Plan for Ph.D program in Pharmacy

Type 1.1

First Year

First Semester	Credits	Second Semester	Credits
Register for university services	-	455899 Dissertation	12
Pass foreign language examination requirement	-	Present dissertation proposal	-
Take a qualifying examination	-	Attend a seminar	-
Present in a seminar (1 st time) and attend a seminar	-		
Total	-	Total	12

Second Year

First Semester	Credits	Second Semester	Credits
455899 Dissertation	12	455899 Dissertation	12
Present in a seminar (2 nd time) and attend a seminar	-	Attend a seminar	-
Total	12	Total	12

Third Year

First Semester	Credits	Second Semester	Credits
455899 Dissertation	12	Register for university services	-
Present in a seminar (3 rd time) and attend a seminar	-	Attend a seminar	-
		Dissertation defense	-
Total	12	Total	-

Total : 48 Credits

Type 1.2

First Year

First Semester	Credits	Second Semester	Credits
Register for university services	-	455898 Dissertation	12
Pass foreign language examination requirement	-	Present dissertation proposal	-
Take a qualifying examination	-	Attend a seminar	-
Present in a seminar (1 st time) and attend a seminar			
Total	-	Total	12

Second Year

First Semester	Credits	Second Semester	Credits
455898 Dissertation	12	455898 Dissertation	12
Present in a seminar (2 nd time) and attend a seminar	-	Attend a seminar	-
Total	12	Total	12

Third Year

First Semester	Credits	Second Semester	Credits
455898 Dissertation	12	Register for Chiang Mai university services	-
Present in a seminar (3 rd time) and	-	Attend a seminar	-

attend a seminar			
Total	12	Total	12

Fourth Year

First Semester	Credits	Second Semester	Credits
455898 Dissertation	12	Register for university services	-
Present in a seminar (4 th time) and attend a seminar	-	Attend a seminar	-
		Dissertation defense	-
Total	12	Total	-

Total : 72 Credits

Study Plan for Double Degree Program with Graduate School of Pharmaceutical Sciences, Chiba University

Type 1.1

First Year

First Semester	Credits	Second Semester	Credits
Register for Chiang Mai university services	-	455899 Dissertation at CMU	12
Pass foreign language examination requirement	-	Present dissertation proposal at CMU	-
Take a qualifying examination at CMU	-	Attend a seminar at CMU	-
Present in a seminar (1 st time) and attend a seminar at CMU	-		
Total	-	Total	12

Second Year

First Semester	Credits	Second Semester	Credits
455899 Dissertation at Chiba University	12	455899 Dissertation at Chiba University	12
Present in a seminar (2 nd time) and attend a seminar at Chiba University	-	Attend a seminar at Chiba University	-
Total	12	Total	12

Third Year

First Semester	Credits	Second Semester	Credits
455899 Dissertation at CMU	12	Register for Chiang Mai university services	-
Present in a seminar (3 rd time) and attend a seminar at CMU	-	Attend a seminar at CMU	-
		Dissertation defense at CMU and Chiba University (online)	-
Total	12	Total	-

Total : 48 Credits

Type 1.2

First Year

First Semester	Credits	Second Semester	Credits
Register for Chiang Mai university services	-	455898 Dissertation at CMU	12
Pass foreign language examination requirement at CMU	-	Present dissertation proposal at CMU	-
Take a qualifying examination at CMU	-	Attend a seminar at CMU	-
Present in a seminar (1 st time) and attend a seminar at CMU			
Total	-	Total	12

Second Year

First Semester	Credits	Second Semester	Credits
455898 Dissertation at Chiba University	12	455898 Dissertation at Chiba University	12
Present in a seminar (2 nd time) and attend a seminar at Chiba University	-	Attend a seminar at Chiba University	-
Total	12	Total	12

Third Year

First Semester	Credits	Second Semester	Credits
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455898 Dissertation at CMU	12	Register for Chiang Mai university services	-
Present in a seminar (3 rd time) and attend a seminar at CMU	-	Attend a seminar at CMU	-
Total	12	Total	12

Fourth Year

First Semester	Credits	Second Semester	Credits
455898 Dissertation at CMU	12	Register for Chiang Mai university services	-
Present in a seminar (4 th time) and attend a seminar at CMU	-	Attend a seminar at CMU	-
		Dissertation defense at CMU and Chiba University (online)	-
รวม	12	รวม	-

Total : 72 Credits

Students from Chiang Mai University or Chiba University under the double degree program have to register as a regular students when doing research in Chiba University and Chiang Mai University, respectively. Each home university will consider giving at least 10 credits of dissertation per semester to foreign students in the double degree program.