

Doctor of Philosophy Program in Postharvest Technology (International Program)

Ph.D. (Postharvest Technology)

Philosophy of the Program:

Doctor of Philosophy Program in Postharvest Technology focusses on developing human resources with creativity, in-depth knowledge and ability in multidisciplinary fields to analyze complicated problems. They can effectively plan for research and apply suitable postharvest technology to avoid damage and maintain the quality of agricultural products. They can also create new knowledge and innovations. This international standard program aims at producing human resources imbued with morals, ethics, responsibility, honesty and dedication. They can effectively work in real situations and deal with problems professionally.

Applicant Qualifications

Plan 1.1

Applicants must complete Master's Degree in agricultural science, science, or other equivalent programs. For those who completed other programs, this shall be at the discretion of the program committee in considering the applicants on publications, experiences.

Plan 2.1

Applicants must complete Master's Degree in agricultural science, engineering, science, or related fields of science. For other qualifications, this shall be at the discretion of the program committee in considering the applicants on publications, experiences.

Plan 2.2

Applicants must complete Bachelor's Degree with First Class Honors in agricultural science, engineering, or related fields of science. For those who completed in science, this shall be at the discretion of the program committee in considering the applicants on publications, experiences at least 3 years.

Applicants must submit the English Proficiency Test Score as part of their application according to the KMUTT announcement on the English Language Requirement for Doctoral Degree.

Professions after graduation:

1. Lecturers/Researchers/Academics in plant science in government and private sectors
2. Researchers and agricultural product developer in government and private sectors
3. Heads of agricultural product research and development
4. Managers of exporting companies for vegetables, fruits, flowers and seeds
5. Owners of exporting companies for vegetables, fruits, flowers and seeds
6. Analysts for science and technology projects

Curriculum

Plan 1.1 for student with Master degree	48 Credits
Plan 2.1 for student with Master degree	48 Credits
Plan 2.2 for student with Bachelor degree	72 Credits

Curriculum Components

Plan 1.1 for student with Master degree

- Dissertation 48 Credits

Plan 2.1 for student with Master degree

- Major Course 6 Credits
- Elective Course 6 Credits
- Dissertation 36 Credits

Plan 2.2 for student with Bachelor degree

- Major Course 15 Credits
- Elective Course 9 Credits
- Dissertation 48 Credits

COURSE STRUCTURE

Plan 1.1 for student with Master degree

First Year /First Semester		Credits
PHT 791	Seminar I	1 (0-2-3) S/U
PHT 799	Dissertation	8 (0-16-32)
Total		8 (0-16-32)
First Year /Second Semester		Credits
PHT 792	Seminar II	1 (0-2-3) S/U
PHT 799	Dissertation	8 (0-16-32)
Total		8 (0-16-32)
Second Year /First Semester		Credits
PHT 793	Seminar III	1 (0-2-3) S/U
PHT 799	Dissertation	8 (0-16-32)

		Total	8 (0-16-32)
Second Year /Second Semester		Credits	
PHT 799	Dissertation	8	(0-16-32)
		Total	8 (0-16-32)
Third Year /First Semester		Credits	
PHT 799	Dissertation	8	(0-16-32)
		Total	8 (0-16-32)
Third Year /Second Semester		Credits	
PHT 799	Dissertation	8	(0-16-32)
		Total	8 (0-16-32)

Plan 2.1 for student with Master degree

First Year /First Semester		Credits	
PHT 791	Seminar I	1	(0-2-3)
PHT 701	Research Philosophy	3	(3-0-9)
PHT xxx	Elective Course	3	(x-x-x)
PHT xxx	Elective Course	3	(x-x-x)
		Total	10 (3+x-2+x-12+x)
First Year /Second Semester		Credits	
PHT 792	Seminar II	1	(0-2-3)
PHT 798	Dissertation	7	(0+14+28)
		Total	8 (0-16-31)
Second Year /First Semester		Credits	
PHT 793	Seminar III	1	(0-2-3)
PHT 798	Dissertation	7	(0+14+28)
		Total	8 (0-16-31)
Second Year /Second Semester		Credits	

PHT 798	Dissertation	7 (0-14-28)
Total		7 (0-14-28)
Third Year /First Semester		Credits
PHT 798	Dissertation	7 (0-14-28)
Total		7 (0-14-28)
Third Year /Second Semester		Credits
PHT 798	Dissertation	8 (0-16-32)
Total		8 (0-16-32)

Plan 2.2 for student with Bachelor degree

First Year /First Semester		Credits
PHT 691	Seminar in Postharvest Technology I	1 (0-2-3)
PHT 601	Research Techniques in Postharvest Technology	3 (2-3-9)
PHT 621	Postharvest Handling Systems of Agricultural Commodities	3 (2-3-9)
Total		7 (4-8-21)
First Year /Second Semester		Credits
PHT 622	Postharvest Physiology and Technology of Agricultural Commodities	3 (3-0-9)
Elective Course	Elective Course 1	3 (x-x-x)
Elective Course	Elective Course 2	3 (x-x-x)
Total		9 (3+x-x-9+x)
Second Year /First Semester		Credits
Elective Course	Elective Course 3	3 (x-x-x)
PHT 799	Dissertation	2 (0-4-8)

		Total	5 (x-4+x-8+x)
Second Year /Second Semester		Credits	
PHT 7921	Seminar I		1 (0-2-3)
PHT 799	Dissertation		9 (0-18-36)
		Total	9 (0-18-35)
Third Year /First Semester		Credits	
PHT 792	Seminar II		1 (0-2-3)
PHT 701	Research Philosophy		3 (3-0-9)
PHT 799	Dissertation		8 (0-16-32)
		Total	12 (3-18-44)
Third Year /Second Semester		Credits	
PHT 799	Dissertation		7 (0-14-28)
		Total	7 (0-14-28)
Forth Year /First Semester		Credits	
PHT 799	Dissertation		8 (0-16-32)
		Total	8 (0-16-32)
Forth Year /Second Semester		Credits	
PHT 799	Dissertation		8 (0-16-32)
		Total	8 (0-16-32)
Fifth Year /First Semester		Credits	
PHT 799	Dissertation		5 (0-10-20)
		Total	5 (0-10-20)
Fifth Year /Second Semester		Credits	
PHT 799	Dissertation		2 (0-4-8)
		Total	2 (0-4-8)