

MASTER OF SCIENCE IN POSTHARVEST TECHNOLOGY

Academic Institution: School of Biosources and Technology,
King Mongkut's University of Technology Thonburi (KMUTT)

Duration:

Two (2) years (June 1st, 2014 – May 31st 2016)

Eligible Countries:

Afghanistan, Bangladesh, Djibouti, El Salvador, Eritrea, Fiji, Gambia, Guinea, Indonesia, Iran, Jordan, Kenya, Lesotho, Malawi, Maldives, Marshalls Islands, Micronesia, Nepal, Pakistan, Papua New Guinea, Philippines, Samoa, Solomon Island, Sri Lanka, Sudan, Tanzania, Timor-Leste, Uganda and Vanuatu.

Objectives:

1. To produce highly qualified manpower in postharvest technology in master degree with the international standard.
2. To produce highly qualified manpower in postharvest technology to be enable to do research and development in solving postharvest losses and maintain quality of Agricultural produce.
3. To promote and support postharvest technology research development and transfer postharvest knowledge to agri-foods industry both governmental and private sectors.

Course Synopsis & Methodology:

Credits

1. Compulsory Courses	17
2. Electives in Postharvest Technology Courses	9
3. Master Thesis	12
Total	38

1. Compulsory Courses

PHT 601 Research Techniques in Postharvest Technology	3
PHT 621 Postharvest Handling System and Management of Perishable Crops	3
PHT 622 Postharvest Physiology and Technology of Perishable Crops	3
PHT 631 Postharvest Handling System of Cereals and Grain Legumes	3
PHT 691 Seminar in Postharvest Technology I	1
PHT 692 Seminar in Postharvest Technology II	1
PHT 698 Special Problem	3

2. Electives in Postharvest Technology Courses

PHT 602 Statistics for Agricultural Research	3
PHT 603 Postharvest Informatics	3
PHT 604 Properties of Biological Materials	3
PHT 605 Cell Physiology for Postharvest Technology	3
PHT 611 Postharvest Harvest Losses of Agricultural Products	3
PHT 612 Agriculture Production System	3
PHT 623 Postharvest Handling System of Ornamental Plants	3
PHT 624 Fresh-cut Fruit and Vegetable Technology	3
PHT 632 Postharvest Technology of Seeds	3
PHT 651 Engineering Application for Postharvest Technology	3
PHT 652 System Designs of Postharvest Equipments and Storage Structure	3
PHT 653 Produce Packaging System	3
PHT 661 Postharvest Insect Pest of Agricultural Products	3
PHT 662 Postharvest Pathology of Agricultural Products	3
PHT 671 Supply Chain Management and Logistics for Agricultural Produce	3
PHT 672 Quality Management of Agricultural Products	3
PHT 673 Marketing of Agri-Produce	3
PHT 674 Florist Ornamental Business Management	3

PHT 697 Selected Topics in Postharvest Technology	3
PHT 703 Molecular Biology for Postharvest Technology	3
PHT 801 English for Postharvest Technology	3
PHT 802 Japanese for Postharvest Technology	3

3. Master Thesis

PHT 699 Thesis	12
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Course Content/ Study Topic:

First Year/ Semester 1

First Semester

PHT 601 Research Techniques in Postharvest Technology	3
PHT 621 Postharvest Handling System of Management of Perishable Crops	3
PHT 631 Postharvest Handling System of Cereals and Grain Legumes	3
PHT xxx Elective	3
Total	12

First Year/ Semester 2

PHT 622 Postharvest Physiology and Technology of Perishable Crops	3
PHT 691 Seminar in Postharvest Technology I	1
PHT 698 Special Problem	3
PHT 699 Thesis	2
Total	9

Second Year/ Semester 1

PHT xxx Elective	3
PHT 699 Thesis	3
PHT xxx Elective	3
Total	9

Second Semester / Semester 2

PHT 692 Seminar in Postharvest Technology II	1
PHT 699 Thesis	7
Total	8

Qualifications:

Graduated Bachelor degree in Agriculture, Food Science, Agro-Industry, Engineering or Science in related field.

Documents Required:

- Three (3) copies of the TICA Application Form affixed with colored photographs
- Three (3) Photograph (3 x 4 cm)
- Copy of Academic Record (Transcription)
- Copy of Certificated
- Copy of Passport
- Two (2) Recommendation Letter
- Result of English Test (i.e. IELTS, TOEFL etc.)

Closing Date For Nominations:

November 30, 2013

Late or incomplete applications/documents will not be considered.

Contact:

Assoc. Prof. Dr. Sirichai Kanlayanarat,
Chairman Postharvest Technology Program,
School of Bioresources Technology, KMUTT