



# GRADUATE PROGRAMS

FACULTY OF PHARMACEUTICAL SCIENCES  
KHON KAEN UNIVERSITY



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# Message from Dean

**Associate Professor. Paiboon Daosodsai, Ph.D.**

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The Faculty of Pharmaceutical Sciences of Khon Kaen University is one of the leading pharmaceutical institution in Northeast Region of Thailand with international importance in educational and research fields. In 2020, the faculty is in 201st – 250th in QS World University Rankings by Subject 2020 (Pharmacy and Pharmacology). Our missions are to produce qualified graduates with the advanced scientific knowledge and rich academic experience to maintain high quality research and to create new innovations and products.

Quickly developing and progressing changes in the international trends of pharmaceutical profession require the wide diapason of knowledge and integration of practical experience and research knowledge. Our pharmacy school ensure high quality graduate education that incorporates innovative aspects of educational training and research. The varieties of graduate programs in pharmaceutical sciences enable graduates to find the expertise field of their interest providing with an excellent foundation for the academic and professional career.

The Faculty of Pharmaceutical Sciences is internationally opened place. Every year we accept and graduate international students in different fields of pharmaceutical expertise. We ensure high standard research facilities with the equipped according to the laboratory standards work places and provide new laboratory equipment for conduction of research. We also provide a high-quality professional knowledge and supportive community to base a clinical practice. After graduation, many of our international graduate students bring obtained knowledge and skills back to their home countries, standing out with their affirming international perspective and strong sense of self. We highly support this trend and strive for its development in the future.

I would like to invite you to join the graduate program at our faculty and become a part of our family.

**Assoc. Prof. Dr. Paiboon Daosodsai**

Dean, Faculty of Pharmaceutical Sciences, KKU

# Master of Sciences Program in Aesthetic Sciences and Health







# Master of Sciences Program in Aesthetic Sciences and Health

Faculty of Pharmaceutical Sciences

General information



- **Program**

Master of Sciences Program in Aesthetic Sciences and Health



- **Degree**

M.Sc. (Aesthetic Sciences and Health)



- **Total credits**

≥ 36 credits (2 year program)



- **Study plan**

1.1 Type A2 Course work and thesis

1.2 Type B Course work and Independent Study



- **Language (Mode of teaching)**

Thai and English



- **Future career after graduation**

(1) Spa operator

(2) Consultant

(3) Sales representative

## ● Program structure

|                      | Program structure |           |
|----------------------|-------------------|-----------|
|                      | Type A2           | Type B    |
| 1) Compulsory        | 12                | 12        |
| 2) Electives         | 12                | 18        |
| 3) Thesis            | 12                | -         |
| 4) Independent Study | -                 | 6         |
| <b>Total credits</b> | <b>36</b>         | <b>36</b> |

## Compulsory

| Code      | Course  | Credit   |
|-----------|---|----------|
| PS367 711 | Integrated Health Sciences                            | 3(2-2-5) |
| PS367 712 | Integrated Health Products                            | 3(2-2-5) |
| PS367 713 | Business Management for Aesthetic Sciences and Health | 3(2-2-5) |
| PS367 714 | Research Methodology in Aesthetic Sciences and Health | 2(2-0-4) |
| PS367 891 | Seminar in Aesthetic Sciences and Health              | 1(1-0-2) |

## Electives

| Code      | Course   | Credit   |
|-----------|--|----------|
| PS367 734 | Food for Health                                  | 3(3-0-6) |
| PS367 735 | Skin Care  | 2(2-0-4) |
| PS367 737 | Aromatherapy                                     | 3(2-2-5) |
| PS367 738 | Hydrotherapy                                     | 2(2-0-4) |
| PS367 741 | Weight Control                                   | 2(2-0-4) |
| PS367 743 | Music Therapy                                    | 1(1-0-2) |
| PS367 747 | Special Issue in Aesthetic Sciences and Health   | 2(1-2-3) |
| PS367 748 | Business Management for Health Service and Spa   | 3(3-0-6) |
| PS367 749 | Health and Beauty Services                       | 3(1-4-4) |
| PS367 750 | Healthy elderly                                  | 2(2-0-4) |
| PS367 894 | Special Problem in Aesthetic Sciences and Health | 2(0-4-2) |

## Thesis

| Code      | Course | Credit     |
|-----------|--------|------------|
| PS367 899 | Thesis | 12 credits |

## Independent Study

| Code      | Course            | Credit    |
|-----------|-------------------|-----------|
| PS367 897 | Independent Study | 6 credits |

## Example of study plan

| Year 1, Semester 1        |                            | Credits  |          |
|---------------------------|----------------------------|----------|----------|
|                           |                            | Type A2  | Type B   |
| PS367 711                 | Integrated Health Sciences | 3(2-2-5) | 3(2-2-5) |
| PS367 712                 | Integrated Health Products | 3(2-2-5) | 3(2-2-5) |
| PS367 xxx                 | Elective Courses           | 3        | 3        |
| <b>Total credits</b>      |                            | <b>9</b> | <b>9</b> |
| <b>Accumulate credits</b> |                            | <b>9</b> | <b>9</b> |

| Year 1, Semester 2        |   | Credits   |           |
|---------------------------|---|-----------|-----------|
|                           |   | Type A2   | Type B    |
| PS367 713                 | Business Management for Aesthetic Sciences and Health | 3(2-2-5)  | 3(2-2-5)  |
| PS367 714                 | Research Methodology in Aesthetic Sciences and Health | 2(2-0-4)  | 2(2-0-4)  |
| PS367 891                 | Seminar in Aesthetic Sciences and Health              | 1(1-0-2)  | 1(1-0-2)  |
| PS367 xxx                 | Elective Courses                                      | 3         | 3         |
| <b>Total credits</b>      |   | <b>9</b>  | <b>9</b>  |
| <b>Accumulate credits</b> |   | <b>18</b> | <b>18</b> |

| Year 2, Semester 1        |                   | Credits   |           |
|---------------------------|-------------------|-----------|-----------|
|                           |                   | Type A2   | Type B    |
| PS367 xxx                 | Elective Courses  | 6         | 6         |
| PS367 899                 | Thesis            | 3         | -         |
| PS367 897                 | Independent Study | -         | 3         |
| <b>Total credits</b>      |                   | <b>9</b>  | <b>9</b>  |
| <b>Accumulate credits</b> |                   | <b>27</b> | <b>27</b> |

| Year 2, Semester 2        |                   | Credits   |           |
|---------------------------|-------------------|-----------|-----------|
|                           |                   | Type A2   | Type B    |
| PS367 xxx                 | Elective Courses  | -         | 6         |
| PS367 899                 | Thesis            | 9         | -         |
| PS367 897                 | Independent Study | -         | 3         |
| <b>Total credits</b>      |                   | <b>9</b>  | <b>9</b>  |
| <b>Accumulate credits</b> |                   | <b>36</b> | <b>36</b> |



## Course description

|  |  |                 |
|--|--|-----------------|
| <b>PS367 711</b>   | <b>Integrated Health Sciences</b>                            | <b>3(2-2-5)</b> |
| Prerequisite : No  |  |                 |
| Principal of health-science, philosophy of health, human body systems and their functions: aging and illness, exercise physiology, exercise for health, health determinants, screening for health promotion program, food supplement for health, maxillofacial plastic surgery, principal of traditional Chinese medicine and health communication   |  |                 |
| <b>PS367 712</b>   | <b>Integrated Health Products</b>                            | <b>3(2-2-5)</b> |
| Prerequisite : No  |  |                 |
| Vocabulary and calculation related to health product, technique of product preparation, principle for preparation of liquid, semisolid and solid dosage form products, principle for preparation of body products such as soap, scrub product, principle for preparation of hair products such as shampoo, conditioner and hair tonic, packaging for spa products, evaluation of product and sensory testing, data analysis using statistical technique, regulation for cosmetics, health and aesthetic products |  |                 |
| <b>PS367 713</b>   | <b>Business Management for Aesthetic Sciences and Health</b> | <b>3(2-2-5)</b> |
| Prerequisite : No  |  |                 |
| Overview of Aesthetic Sciences and Health Business in Thailand, strategic Management, service marketing management, e-commerce management, introduction of financial and accounting management, introduction of tax planning, human resource management, business law, consumer protection and business ethics   |  |                 |
| <b>PS367 714</b>   | <b>Research Methodology in Aesthetic Sciences and Health</b> | <b>2(2-0-4)</b> |
| Prerequisite : No  |  |                 |
| Paradigm of research, component of writing research proposal, technique and precaution in writing research proposal, literature review and reference, descriptive statistics and inferential statistics, reading and interpreting the data from the statistical analysis, sample size calculation, research instrument design, quality inspection of research instruments, writing report for social research and for experimental research, and ethics for human research                                       |  |                 |

|  |                        |                 |
|--|------------------------|-----------------|
| <b>PS367 734</b>   | <b>Food for Health</b> | <b>3(3-0-6)</b> |
| Prerequisite : No  |                        |                 |
| Introduction and definition of food and drug correlation, vitamin nutrient, vitamin-like substance, mineral nutrient, herbal nutrient, role of food and functional food, dietetics, macrobiotics, food for health product law and rule, marketing and trend, ingredient analysis and design, case studies  |                        |                 |
| <b>PS367 735</b>   | <b>Skin Care</b>       | <b>2(2-0-4)</b> |
| Prerequisite : No  |                        |                 |
| Basic principle of skin care, free radicals and antioxidant, skin problems, skin care products, equipment for skin care, hair and nail products, case studies in skin care research, practice consulting in skin care base on academic   |                        |                 |
| <b>PS367 737</b>   | <b>Aromatherapy</b>    | <b>3(2-2-5)</b> |
| Prerequisite : No  |                        |                 |
| Historical of aromatherapy, classification of essential oil, extraction of essential oil, blending of essential oil, application of essential oil, preparation of essential oil products and Thai aromatherapy products, pathway of essential oil in body, advantages, disadvantages and precaution of aromatherapy, case study in research of essential oil |                        |                 |
| <b>PS367 738</b>   | <b>Hydrotherapy</b>    | <b>2(2-0-4)</b> |
| Prerequisite : No  |                        |                 |
| History of Aquatic for health, physical properties of water, effects of water immersion to human physiology, hydrotherapy and aquatic exercise, places-facilities and accessories for hydrotherapy and Aquatic exercise, safety, precaution and contraindicate of Aquatic exercise   |                        |                 |



|   |  |                 |
|---|--|-----------------|
| <b>PS367 741</b>  | <b>Weight Control</b>                                  | <b>2(2-0-4)</b> |
| Prerequisite : No   |  |                 |
| <p>Body figure evaluation and classification of obesity, etiology, adverse health consequences associated with obesity, prevention and treatment, drugs and herbs for weight control, assessment of daily energy expenditure for construct weight control program, dietary programs for weight control, yoga for health and aesthetics, exercise for weight loss, exercise programs in fitness, hydrotherapy and aqua aerobic</p>                   |  |                 |
| <b>PS367 743</b>  | <b>Music Therapy</b>                                   | <b>1(1-0-2)</b> |
| Prerequisite : No   |  |                 |
| <p>Introduction to music therapy, definition of music therapy, history and theory of music therapy, psychology of music, components of music, theory of therapy and psychology involving music therapy, application of music in spa, music therapy and exercise and benefits of music in spa</p>  |  |                 |
| <b>PS367 747</b>  | <b>Special Issue for Aesthetic Sciences and Health</b> | <b>2(1-2-3)</b> |
| Prerequisite : No   |  |                 |
| <p>Techniques and innovation involving current aesthetic sciences and health, special issue or novel knowledge in aesthetic science and health that is currently popular, decision making for selecting current health and cosmetic products, training in technical advice and novel knowledge in the beauty and health in the aesthetic and health care business, case study in relate knowledge and learning from practice in real work place</p> |  |                 |



|   |   |                 |
|---|---|-----------------|
| <b>PS367 748</b>  | <b>Business Management for Health Service and Spa</b>   | <b>3(3-0-6)</b> |
| Prerequisite : No   |   |                 |
| Trend of spa business and spa concepts, atmosphere and design in spa including application of music in spa, regulations or requirements relate to management of health service and spa business, national skill standard for holistic health promotion therapist, types of spa business, types of products used in spa business, safety management in spa such as instruments, materials, equipments and location, the approaches for preventing infection in work place, guideline for emergency case, personal development and service mind in beauty and healthy, the entrepreneurial mind, ethical and social responsibility challenges for entrepreneurs, preparedness for health spa manager license and daily operating procedure in spa |   |                 |
| <b>PS367 749</b>  | <b>Health and Beauty Services</b>                       | <b>3(1-4-4)</b> |
| Prerequisite : No   |   |                 |
| Introduction, type of service and massage for health and beauty service, theory related to the health and beauty service, benefit, prohibition and caution in health and beauty service, application of herbs in health and beauty service, principles and methods in health and beauty service, acupuncture, facial spa, Indian style head massage, principle of body scrubs and masks, principle of Western oil massage, foot spa, communication in health and beauty service   |   |                 |
| <b>PS367 750</b>  | <b>Healthy elderly</b>                                  | <b>2(2-0-4)</b> |
| Prerequisite : No   |   |                 |
| Physiology and body function system of elderly people, preparedness for elderly period, exercise for elderly people, nutrition for elderly people, activity therapy for elderly people, holistic elderly health care system, health product for elderly people  |   |                 |
| <b>PS367 891</b>  | <b>Seminar in Aesthetic Sciences and Health</b>         | <b>1(1-0-2)</b> |
| Prerequisite : No   |   |                 |
| Searching the scientific data related to health and aesthetic, reviewed and evaluated the related articles, practice in seminar including selected topic, data discussion and present in the topic.   |   |                 |
| <b>PS367 894</b>  | <b>Special Problem in Aesthetic Sciences and Health</b> | <b>2(0-4-2)</b> |
| Prerequisite : No   |   |                 |
| Selection of a topic in aesthetic sciences and health research; literature review; experimental design experimentation; compiling and interpretation of results; reporting and presentation   |   |                 |

|  |                          |                   |
|--|--------------------------|-------------------|
| <b>PS367 897</b>   | <b>Independent Study</b> | <b>6 credits</b>  |
| Prerequisite : No  |                          |                   |
| Literature review, research ethics, penalty of academic plagiarism, independent study proposal approve, research procedure, independent study examination, research presentation and research publication.       |                          |                   |
| <b>PS367 899</b>   | <b>Thesis</b>            | <b>12 credits</b> |
| Prerequisite : No  |                          |                   |
| Literature review, research ethics, human ethics, animal ethics, penalty of academic plagiarism, thesis proposal approve, research procedure, thesis examination, research presentation and research publication |                          |                   |





