

POSTGRADUATE ACADEMIC PROGRAMMES



FACULTY OF PHARMACY

Advancing Pharmacy for Health



**Inspiring Futures,
Nurturing Possibilities**

<http://www.ukm.my/farmasi/>

MASTER OF CLINICAL PHARMACY PROGRAMME

This graduate programme was designed to prepare pharmacists for the provision of high-level clinical pharmacy services in a range of practice setting. The course will provide students an opportunity to acquire specialised knowledge and skills in clinical pharmacy practice and pharmacotherapy.

PROGRAMME STRUCTURE

- The full-time programme consists of 40 credit units that are distributed in 2 semesters.
- Topics that will be covered in this programme include Advanced Clinical Pharmacy Practice, Clinical Practice in Community Pharmacy, Clinical Pharmacokinetics, Advanced Pharmacotherapeutics and Biostatistics & Research Design.
- Students will have the opportunity to improve their clinical skills through compulsory and elective clinical clerkships.
- All clerkships involve ward-rounds, clinical case follow-up, case discussions, oral presentations and report writing.
- Throughout the programme, approximately 20% of the student's time will be spent on research related to Quality Use of Medicine or Clinical Pharmacy, and project paper writing.
- To instill a sense of self-belonging to UKM and appreciation of local culture, foreign students will have the opportunity to learn Malay language.

Mode & Duration of Study	Intake
Coursework Full-time: 2 semesters (1 Year) Part-time (For local candidate only) : 4 semesters (2 Years)	September

ENTRY REQUIREMENTS

- Bachelor Degree in Pharmacy or equivalent degree from any institution of higher learning recognized by the Senate; with
- A Cumulative Grade Point Average (CGPA) of at least 2.50 (or equivalent) OR
- A CGPA below 2.50 (or equivalent) with working experience of at least 5 years in the related field.
- Passes interview and/or test prescribed by the Faculty to validate clinical skills of identified candidates.

ADDITIONAL ENTRY REQUIREMENT FOR FOREIGN CANDIDATES*

International candidates must meet the English language requirement set by the Faculty and University:

- IELTS: a minimum score of Band 6.0, OR
- TOEFL: a minimum score of 60 (iBT), OR
- CEFR: a minimum level of mid B2, OR
- MUET: a minimum of Level 4 (Band 4), OR
- The Faculty may grant exemption to the conditions set forth above for international candidates from a country that uses English as their official language or who have academic qualifications obtained from any institution of higher learning that uses English as its medium of education.

For further information, please contact:

Dr. Siti Azdiah Abdul Aziz

Programme Coordinator, Master of Clinical Pharmacy

Email: sitiazdiah@ukm.edu.my

Telephone: +603 9289 7960

MASTER OF SCIENCE (PHARMACEUTICAL ANALYSIS) PROGRAMME

Pharmaceutical Analysis involves using various analytical techniques to analyse pharmaceutical products. The programme incorporates three key areas in pharmaceutical analysis: separation methods, analytical techniques and quality assurance. At the end of the programme, students are expected to master various techniques used in analysing pharmaceutical products. Students will also be exposed to diverse research areas in pharmaceutical analysis.

PROGRAMME STRUCTURE

- This programme consists of 40 credit units that are distributed in 2 semesters (full time module) or 4 semesters (part time module).
- Topics that will be covered in this programme include Research Methodology & Safety At Workplace, Drug Discovery and Development, Pharmaceutical Quality Control, Pharmaceutical Separation Methods, Spectroscopic Techniques in Structure Elucidation, Statistics and Chemometrics for Pharmaceutical Analysis, Pharmaceutical Quality Assurance, Halal Pharmaceuticals, Bioequivalence, Pharmaceutical Dosage Design, Herbal Analysis, Biopharmaceutical Technology and Research Project 1 & 2.
- Lectures, tutorials, practical, group discussion, journal critics and workshops are among the teaching and learning methods utilised to deliver the course contents.
- Teaching materials will be uploaded online for students to have an easy access wherever they are.
- Throughout the programme, approximately 20% of the student's time will be spent for research related to Pharmaceutical Analysis, and project paper writing.
- To instill self-belonging to UKM and to embrace local culture, foreign students will have the opportunity to learn Malay Language as part of the programme.

Mode & Duration of Study	Intake
Coursework Full-time: 2 semesters (1 Year) Part-time (For local candidate only) : 4 semesters (2 Years)	September

ENTRY REQUIREMENTS

- A relevant Bachelor of Science degree with a minimum CGPA of 2.50 or equivalent from any institution of higher learning as approved by the Senate; OR
- A relevant Bachelor of Science degree with a CGPA of less than 2.50 or equivalent, may be accepted, subjected to a minimum of 5 years working experience in the related field;

ADDITIONAL ENTRY REQUIREMENT FOR FOREIGN CANDIDATES*

International candidates must meet the English language requirement set by the Faculty and University:

- IELTS: a minimum score of Band 6.0, OR
- TOEFL: a minimum score of 60 (iBT), OR
- CEFR: a minimum level of mid B2, OR
- MUET: a minimum of Level 4 (Band 4), OR
- The Faculty may grant exemption to the conditions set forth above for international candidates from a country that uses English as their official language or who have academic qualifications obtained from any institution of higher learning that uses English as its medium of education.

For further information, please contact:

Assoc. Prof. Dr. Lam Kok Wai
Coordinator for Master of Science (Pharmaceutical Analysis)
Email: david_lam@ukm.edu.my
Telephone: +603-92898037

MASTER OF SCIENCE & DOCTOR OF PHILOSOPHY PROGRAMMES

The research-based programmes offered by the Faculty of Pharmacy place emphasis on multidisciplinary research and product development. These programmes are led by laboratory research, surveys, or systematic literature reviews, or a combination of research methodologies in various areas of pharmacy:

- **Centre for Drug and Herbal Development (CDHD)** focuses on the identification of chemical leads from natural products for specific therapeutic efficacy. This may then lead to the development of new drug candidates against complex and challenging drug targets prior to further testing in clinical trials. Evaluation of herbs and herbal products for their quality, safety, and efficacy as therapeutic agents is another important area of research.
- **Centre for Drug Delivery Technology (CDDT)** focuses on contemporary issues related to drug delivery and building rational strategies for drug design. These include investigating traditional and biotechnology-based drug moieties and understanding the mechanisms of cellular uptake and transport of drugs across biological membranes.
- **Centre for Quality Management of Medicines (QMM)** focuses on patterns of drug usage, efficacy of different treatment regimens, adverse drug reaction reporting, awareness about the importance and efficacy of vaccines, pharmacoconomics, and national medicines policy and its implementation.

	Master of Science	Doctor of Philosophy
Programme Structure	<ul style="list-style-type: none"> ◇ Duration: Full-time (4-6 semesters) or part-time (6-8 semesters) ◇ Graduation requirements: <ul style="list-style-type: none"> ● At least ONE article published or accepted for publication in a WoS-indexed journal ● A thesis not exceeding 60,000 words ● Passing the viva voce 	<ul style="list-style-type: none"> ◇ Duration: Full-time (6-12 semesters) or part-time (8-14 semesters) ◇ Graduation requirements: <ul style="list-style-type: none"> ● At least TWO articles published or accepted for publication in a WoS-indexed journal ● A thesis not exceeding 100,000 words ● Passing the viva voce
Entry Requirements	<ul style="list-style-type: none"> ● A bachelor's degree in a related field with a CGPA of at least 2.75 or its equivalent from a university recognised by the Senate; OR ● A bachelor's degree in a related field with a CGPA between 2.50 and 2.75 or its equivalent, subject to rigorous internal assessment; OR ● A bachelor's degree in a related field with a CGPA lower than 2.50 or its equivalent and at least 5 years of relevant working experience, subject to rigorous internal assessment. 	<ul style="list-style-type: none"> ● A master's degree in a related field from a university recognised by the Senate; OR ● Other relevant qualifications deemed equivalent to a master's degree by the Senate; OR ● A first-class honours bachelor's degree (CGPA ≥ 3.67) or its equivalent from Universiti Kebangsaan Malaysia or other institutions of higher learning recognised by MQA or other international accreditation bodies (the fast-track route).

<p>English Language Requirements for International Candidates</p>	<ul style="list-style-type: none"> • A minimum score of Band 6.0 for IELTS, 60 for TOEFL, Mid B2 for CEFR, or Band 4 for MUET • International candidate who do not meet the English language requirements may receive conditional offers. • They will be asked to complete preparatory English courses at Universiti Kebangsaan Malaysia within a maximum period of 2 years, subject to the regulations of the Immigration Department of Malaysia currently in effect. • International candidates enrolled in the English preparatory courses shall sit for MUET or any other examination aligned to the Common European Framework Reference (CEFR) and obtain at least Band 4 for MUET or Mid B2 for CEFR, to be considered as having met the required level of English competency. • Alternatively, the faculty can grant exemptions to international candidates: <ul style="list-style-type: none"> * who originate from countries where English is the official language; OR * with academic qualifications from institutions where English is the medium of instruction.
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For further information, please contact:

Dr. Chua Eng Wee

Coordinator for Postgraduate (Research) Programme

Email: cew85911@ukm.edu.my

Telephone: [+603-92897508](tel:+603-92897508)