



NUS
National University
of Singapore

Yong Loo Lin
School of Medicine

STUDY PLAN

MASTER OF SCIENCE IN
MEDICAL PHARMACOLOGY
(MSc PHC)



PROPOSED STUDY PLAN

- Full-time students are expected to complete the programme within 12 - 24 months. The maximum candidature is 24 months; excluding Leave of Absence (LOA).
- Part-time students are expected to complete the programme within 24 - 36 months. The maximum candidature is 36 months; excluding Leave of Absence (LOA).

Students can refer to the following tentative provisional timetable for the programme:

- 5 — 6 compulsory core courses (12-14 Units) and;
- 5 — 6 courses from the Elective Courses list for each specialisation (20-22 Units)
- 1 Capstone project (6 Units)

Full-time students (Complete in 1 year)

CLINICAL PHARMACOLOGY	
Semester 1 (5 - 6 courses, 22 units)	Semester 2 (5 - 6 courses, 18 units)
<u>Core courses (8 units)</u> PHC5003 Effective Scientific Communication ABM5001 Leadership in Biomedicine PHC5006 Clinical Pharmacology I <u>Elective courses (8 Units)</u> <i>Select at least 1 course from the Clinical Specialisation</i>	<u>Core courses (6 Units)</u> ABM5002 Advanced Biostatistics for Research PHC5007 Clinical Pharmacology II <u>Elective courses (12 Units)</u> <i>Select at least 2 courses from the Clinical Specialisation</i>
PHC5001 Capstone Project (6 Units)	

TRANSLATION PHARMACOLOGY	
Semester 1 (5 - 6 courses, 22 units)	Semester 2 (5 - 6 courses, 18 units)
<u>Core Courses (8 Units)</u> PHC5003 Effective Scientific Communication ABM5001 Leadership in Biomedicine PHC5005 Principles and Praxis of Pharmacology <u>Elective course (8 Units)</u> <i>Select 1 course from the Translation Specialisation</i>	<u>Core courses (4 Units)</u> ABM5002 Advanced Biostatistics for Research PHC5004 Ethics & Good Practice in Medicinal Research <u>Elective courses (14 Units)</u> <i>Select at least 2 courses from the Translation Specialisation</i>
PHC5001 Capstone Project (6 Units)	

PHARMACOLOGY EDUCATION

Semester 1

(5 - 6 courses, 20 - 22 units)

Core Courses (14 Units)

ABM5001 Leadership in Biomedicine

PHC5003 Effective Scientific Communication

PHC5005 Principles and Praxis of Pharmacology

PHC5201 Quantitative Research in Medical Education

PHC5202 Curriculum design for Pharmacology

Elective course (2 Units, Optional)

Semester 2

(5 - 6 courses, 18 - 20 units)

Elective courses (18- 20 Units)

Select at least 2 courses from the Education Specialisation

PHC5001 Capstone Project (6 Units)

Part-time students (Complete in 2 years)

CLINICAL PHARMACOLOGY	
Year 1	
Semester 1 (3 Courses + Capstone, 14 units)	Semester 2 (2 courses, 6 units)
<u>Core courses</u> PHC5003 Effective Scientific Communication ABM5001 Leadership in Biomedicine PHC5006 Clinical Pharmacology I	<u>Core courses</u> ABM5002 Advanced Biostatistics for Research PHC5007 Clinical Pharmacology II
Year 2	
Semester 1 (3 Courses, 10 units)	Semester 2 (2 courses, 10 units)
<u>Elective courses</u> <i>Select at least 2 courses from the Clinical Specialisation</i>	<u>Elective courses</u> <i>Select at least 1 course from the Clinical Specialisation</i>
<p align="center"> PHC5001 Capstone Project (6 Units) <i>To be completed in one (1) year (either in Year 1 or Year 2)</i> </p>	

TRANSLATION PHARMACOLOGY

Year 1

Semester 1

(3 Courses + Capstone, 14 units)

Core courses

PHC5003 Effective Scientific Communication

ABM5001 Leadership in Biomedicine

PHC5005 Principles and Praxis of Pharmacology

Semester 2

(2 courses, 6 units)

Core courses

ABM5002 Advanced Biostatistics for Research

PHC5004 Ethics & Good Practice in Medicinal Research

Year 2

Semester 1

(3 Courses, 10 units)

Elective courses

Select at least 2 courses from the Translation Specialisation

Semester 2

(2 courses, 10 units)

Elective courses

Select at least 1 course from the Translation Specialisation

PHC5001 Capstone Project (6 Units)

To be completed in one (1) year (either in Year 1 or Year 2)

PHARMACOLOGY EDUCATION

Year 1

Semester 1

(3 Courses + Capstone, 14 units)

Core courses

PHC5005 Principles and Praxis of Pharmacology

PHC5202 Curriculum design for Pharmacology

Semester 2

(2 courses, 6 units)

Elective courses

Select at least 2 courses from the Education Specialisation

Year 2

Semester 1

(3 Courses, 10 units)

Core courses

PHC5003 Effective Scientific Communication

PHC5201 Quantitative Research in Medical Education

ABM5001 Leadership in Biomedicine

Semester 2

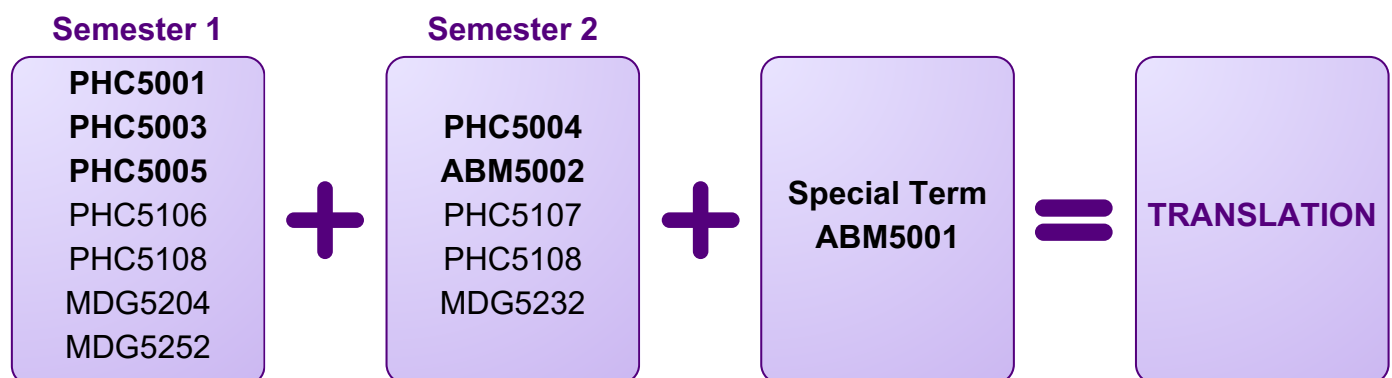
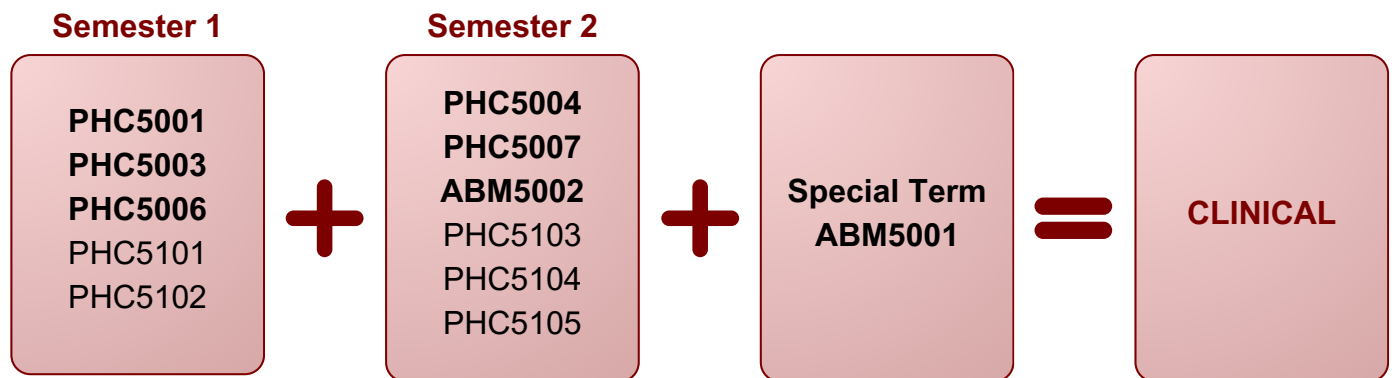
(2 courses, 10 units)

Elective courses

Select at least 1 course from the Education Specialisation

PHC5001 Capstone Project (6 Units)

To be completed in one (1) year (either in Year 1 or Year 2)



Elective courses

Semester 1		
Clinical Specialisation	Translation Specialisation	Education Specialisation
PHC5101 Clinical Trial Design and Management PHC5102 N-of-1 Pharmacology	PHC5106 Toxicology and Safety Assessment PHC5108 Green and Sustainable Pharmacology MDG5204 Advanced Pharmacology MDG5252 Understanding IP and Patents in the Biomedical Industry	PHC5108 Green and Sustainable Pharmacology MDG5204 Advanced Pharmacology

Semester 2		
Clinical Specialisation	Translation Specialisation	Education Specialisation
PHC5103 Personalized Medicines and Pharmacometrics PHC5104 Pharmacovigilance & Regulatory Affairs PHC5105 Natural Products and Complementary Medicine	PHC5107 Next Generation Medicines: From Bench to Bedside PHC5108 Green and Sustainable Pharmacology MDG5232 Current Practices in Biotechnology	PHC5108 Green and Sustainable Pharmacology PHC5211 Transforming Your Teaching Using Technology PHC5212 Qualitative Research in Medical Education MDG5251 Nuts and Bolts of Teaching in Higher Education

APPLY NOW

For more information about the programme, please visit our [webpage](#)
or contact us via email at mscphc@nus.edu.sg