

## LEARNING METHODS

The learning methods used are lectures at the faculty, practical work for clinical pharmacy case study, clinical internship, and thesis writing.

## LEARNING FACILITIES

The lectures are held at Faculty of Pharmacy UGM, while the clinical internships are conducted in several hospitals in Indonesia, includes Dr. Cipto Mangunkusumo Hospital Jakarta, Sardjito Hospital Yogyakarta, Dr. Ramelan Hospital Surabaya, Dharmais Cancer Hospital Jakarta, Margono Soekarjo Hospital Purwokerto, Bethesda Hospital Yogyakarta, Kariadi Hospital Semarang, Dr Soetomo Hospital Surabaya, Bumrungrad International Hospital (Thailand), and partner hospitals of Cyberjaya University College of Medical Sciences Malaysia.

## TUITION FEE

The tuition fee is Rp 17.000.000,-/semester. The amount exclude the thesis, accommodation and transportation expenses during the clinical internship in Indonesia. For the clinical internship abroad, support funding will be provided for selected students.

## REQUIREMENT AND REGISTRATION

Requirements:

1. The candidate has graduated the apothecary program from at least accredited B colleges/universities
2. The candidate has passed the administrative and academic selections (minimum TOEFL/AcEPT score 450/209, and Academic Potential Test/PAPS score 500)

Information of schedule, requirements, and registration procedures can be seen on the website : <http://um.ugm.ac.id>.

## STUDENT CAPACITY

Master Program in Clinical Pharmacy receives 40 students per year.

## MANAGEMENT OF THE PROGRAM

**Head of the Program :**  
Prof. Dr. Zullies Ikawati, Apt.

**Secretary of the Program :**  
Dr. Fita Rahmawati, Sp.FRS., Apt.

## ACADEMICS

1. Prof. Dr. Zullies Ikawati, Apt.
2. Prof. Dr. Mustofa, M.Kes., Apt.
3. Prof. dr. Iwan Dwiprahasto, M.Med.Sc., Ph.D.
4. Prof. Dr. Djoko Wahyono, SU., Apt.
5. Prof. dr. Budi Mulyono, SpPK-K., MM.
6. Prof. Dr. Agung Endro Nugroho, M.Si., Apt.
7. Dr. Chairun W., M.Kes., M.App.Sc., Apt.
8. Dr. Nanang Munif Yasin, M.Pharm., Apt.
9. Dr. Arief Nurrochmad, M.Si., M.Sc., Apt.
10. Dr. Fita Rahmawati, Sp.FRS., Apt.
11. Drs. Budi Raharjo, Sp.FRS., Apt.
12. Dra. Yulia Trisna, M.Pharm., Apt.
13. Dr. Rizka Andalusia, M.Pharm., Apt.
14. Dr. Rina Mutiara, M.Pharm., Apt.
15. Dr. Widyati, M.Clin.Pharm., Apt.
16. Dr. Tri Murti Andayani, Sp.FRS., Apt.
17. Purwantiningsih, S.Si., M.Si., PhD., Apt.
18. dr. Titik Nuryastuti, Sp.MK., Ph.D.
19. Dr. dr. Probosuseno, Sp.PD., K-Ger.
20. Dr. Ika Puspita Sari, M.Si., Apt.
21. Dr. dr. I Dewa Putu P. S., Sp.PD., K-Ger.
22. Dr. Erna Kristin, M.Sc., Apt.
23. Dr. drh. Retno Murwanti, MP.
24. Dr. drg. Dibyo Pramono, SU., MDSc.
25. dr. Cecep Sugeng Kristanto, SpKJ(K).
26. dr. Abdul Gofir, Sp.S(K).
27. Dr. dr. Ismail Setyopranoto, Sp.S(K)



# UNIVERSITAS GADJAH MADA MASTER PROGRAM IN CLINICAL PHARMACY ("A" accredited)

LAMPTKes Decree no. 0476/LAM-PTKes/Akr/Mag/III/2016



## FACULTY OF PHARMACY UNIVERSITAS GADJAH MADA

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## INTRODUCTION

The development in the field of health science demands an improving professional expertise. As one of the health-care providers, pharmacists have an important role by giving optimum and patient-oriented pharmaceutical care. To supply the pharmacist demand for health care purpose, further and specific education in pharmacy field such as clinical pharmacy is therefore necessary. Hence the educational institutions as the integral part of this nation also share this responsibility in preparing excellent and qualified human resource to meet the community needs.

Faculty of Pharmacy UGM as one of the educational institutions is committed to its functions to prepare pharmacists with expertise in clinics and ability to work with other health-care providers to give an optimum health care. One of the efforts is through establishing Master Program in Clinical Pharmacy which focuses on creating professional academics. This program has been accredited A (excellent) by Lembaga Akreditasi Mandiri Perguruan Tinggi Kesehatan (independent accreditation board for health professional higher education) under the LAMP-PTKes Decree Number 0476/LAM-PTKes/Akr/Mag/III/2016.

The Master Program in Clinical Pharmacy is designed with emphasis on mastering the theories and the clinical practice; therefore, the outcomes of this program will be the mainstay of the pharmacist profession as expected.

The graduate of the Master Program in Clinical Pharmacy at UGM will obtain the title of M.Clin.Pharm according to the Rector's Decree Number 106/UN1.P/SK/HUKOR/2016.

## LEARNING STRUCTURE

The Master Program in Clinical Pharmacy offers 43 credits consisting of lectures (25 credits), clinical internship (10 credits) and thesis (8 credits). The first semester includes lectures, the second semester lectures and clinical internship. The third and fourth semesters cover several clinical internship and thesis writing.

## CURRICULUM

No.	SEMESTER I	CREDIT
1	Research methodology and Biostatistics	2
2	Pathophysiology	2
3	Clinical Data Interpretation	2
4	Clinical Pharmacokinetics and Therapeutic Drug Monitoring (TDM)	2
5	Total Parenteral Nutrition and IV Admixture	2
6	Pharmacotherapy I	2
7	Pharmacotherapy II	2
8	Pharmacotherapy III	2
9	Pharmacotherapy IV	2
SEMESTER II		
1	Drug Information Service and Medication Counselling	2
2	Integrated Clinical Pharmacy Case Study	2
3	Elective Course	2
4	Compulsary Clinical internship in Internal Medicine	4
5	Elective Clinical internship	4
6	Thesis 1	2
SEMESTER III & IV		
1	Elective Clinical internship	2
2	Thesis 2	6
	Total	43

## ELECTIVE CLINICAL INTERNSHIP

No.	CLINICAL INTERNSHIP FIELD	CREDIT
1	Geriatrics	2
2	Pediatrics	2
3	Oncology	2
4	Cardiology	2
5	Neurology	2
6	Intensive Care Unit (ICU)	2
7	Drug Information Services	2
8	Psychiatrics	2

## ELECTIVE COURSES

No.	COURSE	CREDIT
1	Interaction and Adverse Drug Reaction	2
2	Pharmacogenetics and Pharmacogenomics	2
3	Phytotherapy	2
4	Clinical Toxicology	2
5	Pharmacotherapy for Specific and Degenerative Disease	2
6	Pharmacotherapy on Specific Population	2
7	Cardiovascular and Renal Pharmacology	2
8	Infection and Inflammation Pharmacology	2
9	Oncology and Chemotherapy	2

## OBJECTIVE

This program aims to create graduates who are able to provide clinical pharmacy care in hospitals/other health care institutions by implementing the rational use of medicines under the pharmaceutical care and in the academic institution for clinical pharmacy education