

PHARMACEUTICAL LOGISTICS MANAGEMENT

Module designation	<i>Pharmaceutical Logistics Management</i>
Semester(s) in which the module is taught	1
Person responsible for the module	1. Dr. apt. Abdul Rahem, M.Kes (Course Coordinator) 2. Prof. Dr. apt. Umi Athiyah, MS. 3. Dr. apt. Wahyu Utami, MS. 4. Dr. apt. Liza Pristianty, M.Si., MM. 5. Dr. apt. Yunita Nita, S.Si., M.Pharm
Language	<i>Bahasa Indonesia</i>
Relation to curriculum	<i>Compulsory / elective / specialisation</i>
Teaching methods	<i>lecture, discussion, assignment</i>
Workload (incl. contact hours, self-study hours)	<i>(Estimated) Total workload: Contact hours (structured activities.): 90,67 hours Private study including independent learning activities: 90,67 hours</i>
Credit points	<i>2 SCU / 6 ECTS</i>
Required and recommended prerequisites for joining the module	NA

Module objectives/intended learning outcomes	<p>Students are:</p> <p>LO1: Able to realize excellence based on religious morals (excellence with morality), able to work together, and show a responsible attitude to work in their field of expertise independently</p> <p>LO2: Able to internalize the spirit of independence, struggle, and entrepreneurship</p> <p>LO4: Able to develop a pharmaceutical professional performance with analytical acumen in solving pharmaceutical problems and managing research in the pharmaceutical field related to national and global systems and policies, both inter and inter-disciplinary approaches.</p> <p>LO5: Able to access and review information through an Information and Communication Technology (ICT) system, decide on a specific subject of study, maintain the feasibility of implementing research designs, conduct research, analyze data, conclude research results comprehensively, and create strategic issues based on the study that reflect the latest updates in the field of pharmaceutical sciences, and communicate them in the media and scientific forums at the national and international level through an interdisciplinary or multidisciplinary approach in the form of a thesis or other equivalent forms.</p> <p>LO6: Able to make decisions in the context of solving problems related to science and technology development based on analytical or experimental studies through collaboration with colleagues, colleagues in institutions and research communities at both national and international levels and utilizing research results for the benefit of the user and other communities.</p> <p>LO10: Able to develop pharmaceutical management systems and policies related to the referral health care system and the role and function of pharmacists as an integral part of the health care team in order to improve community welfare.</p> <p>LO14: Able to build drug management systems from active pharmaceutical ingredients to finished products that are ready for therapeutic uses.</p>
Content	This course will be delivered by lecture method, literature review, case discussion and presentation of case analysis results. The material discussed includes the basic concepts of logistics management, management systems, theoretical concepts and logistics practices, logistics management processes to logistics classification and evaluation systems.
Exams and assessment formats	<i>Final exam (100 minutes), take-home written assignments</i>
Study and examination requirements	<i>the final grade in the module is composed of 50% performance on final exams and 50% take-home assignments. Students must have a final grade of 70% or higher to pass</i>

Reading list	<ol style="list-style-type: none">1. Jonathan D. Quick, 2012, Managing Access to Medicines and Health Technologies, Management Sciences for Health2. Lilian M Azzopardi, 2010, Lecture Notes in Pharmacy Practice, Pharmaceutical Press 20103. World Health Organization, 2004, Management of Drugs at Health Centre Level, Brazzaville4. Andrew M. Peterson, 2005, Managing Pharmacy Practice“ Principles, Strategies, and Systems”, CRC Press Pharmacy Education Series5. Shane P. Desselle , David P. Zgarrick, 2009, Pharmacy Management Essentials for All Practice Settings6. UNHCR, 2006, Drug Management Manual, “Policies, Guidelines, UNHCR Essential Drugs List.
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