

Liverpool John Moores University

Title: INTRODUCTION TO THE PROFESSION AND PRACTICE OF PHARMACY
Status: Definitive
Code: **4002PPPHAR** (113375)
Version Start Date: 01-08-2014

Owning School/Faculty: Pharmacy & Biomolecular Sciences
Teaching School/Faculty: Pharmacy & Biomolecular Sciences

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Academic Level: FHEQ4 **Credit Value:** 24.00 **Total Delivered Hours:** 84.00

Total Learning Hours: 240 **Private Study:** 156

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	34.000
Placement	6.000
Practical	18.000
Seminar	3.000
Workshop	21.000

Grading Basis: 50 %

Assessment Details

Category	Short	Description	Weighting	Exam
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	Description		(%)	Duration
Practice	Prac Exam	Practical examination	30.0	3.00
Portfolio	Portfolio	Portfolio of work: presentations, written communication, placement activities etc.	30.0	
Test	Calcs	Calculations Test	10.0	
Exam	Writ Exam	Written Exam	30.0	2.00

Aims

To provide an introduction to the profession of pharmacy and its role in providing patient care. To introduce the legislative basis of pharmacy. To develop basic skills necessary for dispensing medicinal products; the ability to read and assess the validity of a prescription; the ability to utilise appropriate reference sources for the interpretation and dispensing of prescriptions; the ability to utilise relevant computer technology. To demonstrate the relationship between the underpinning pharmaceutical sciences and the practice of pharmacy. To introduce the concept of patients as people and the relevance of behavioural sciences to the practice of pharmacy. To introduce the concepts of public health and health education. To introduce the concept of Continuing Professional Development.

Learning Outcomes

After completing the module the student should be able to:

- 1 demonstrate an awareness of the origins and role of the profession of pharmacy in health care provision and within the National Health Service
- 10 use available relevant computer technology
- 2 demonstrate an awareness of the role of the pharmacist in delivering pharmaceutical care to the patient
- 3 recognise different types of medicinal requisition and prescription and make supplies accordingly, demonstrating an awareness of the basic legislation associated with the dispensing and preparation of medicinal products
- 4 utilise basic pharmaceutical knowledge in the assessment, interpretation and dispensing of a prescription and be able to use relevant reference sources to supplement such knowledge
- 5 perform calculations necessary for dosage delivery and compounding of medicines
- 6 apply equations and interpret graphical data appertaining to pharmaceutical problems
- 7 discuss the psychology and sociology of health and illness, especially aspects of concordance and the needs of specific patient groups
- 8 demonstrate an awareness of the importance of stability, storage and component interaction in medicinal product formulation and safe delivery of medicines to the patient
- 9 demonstrate an awareness of the importance of continual monitoring of the safety and efficacy of medicinal products

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Practical Exam	3	4	10			
Portfolio	1	2	3	7	8	9
Calculations	6	10				
Written Exam	5					

Outline Syllabus

Public Health: introduction to the concepts of pharmaceutical public health; current public health practice in the UK; methods for measuring health

Patient-centred pharmacy practice: Defining health and illness; psychological responses to health and illness; social inequalities and health; factors influencing patients' perceptions and management of their own health

Taking medicines: the concepts of compliance and concordance

Communicating with patients: Concepts of written communication with patients; structure and content design for dispensing labels and patient information leaflets; concepts in verbal communication; factors important to effective communication

Selecting medicines: Adverse drug reactions and history of monitoring; contraindications; drug interactions and their management in practice; advantages and disadvantages of different routes of administration and dosage forms

Dosing and administration of medicines: factors influencing doses in individual patients; calculation of dosages; calculation of ingredient quantities for extemporaneous preparations; relevant equations for pharmaceutical practice

Handling medicines in practice: Storage of medicines in pharmacies; shelf life and expiry dates; packaging used in dispensing; packaging of extemporaneous preparations; monitored dosing systems

Dispensing medicines: Labelling dispensed medicines, including use of computerised patient medication record systems; supply of medicines in response to NHS & private prescriptions; supply of medicines in response to emergency requests by doctors and patients

Advising on medicines: responding to requests for information or medicines; providing information in pharmacy practice; counselling associated with dispensed or purchased medicines

Reference sources: Use of the British National Formulary and Medicines, Ethics and Practice; other reference texts relevant to current pharmacy practice

The profession of pharmacy: introduction to the profession of pharmacy and its place in healthcare delivery in the UK; current sectors of pharmacy with emphasis on hospital and community practice

Medicines licensing: Regulatory framework for medicines licensing; clinical trials process associated with medicines licensing

Risk management: Introduction to identification, handling and avoidance of errors in pharmacy practice

Law: Introduction to relevant law pertaining to pharmacy practice

Learning Activities

Course elements are taught through a variety of media with formative knowledge delivered through large group lectures and application of this knowledge further developed through smaller group workshops, tutorials and practical sessions. Dispensing practice is taught through processing of facsimile prescriptions and requisitions in practical sessions, giving students the opportunity to handle medicinal products and develop their simple dispensing practice. Immediate feedback is given to students through the sessions by registered pharmacist facilitators. Formative assessment of the practical work also provides more detailed feedback on the student's performance.

Students are introduced to pharmacy practice in community and hospital pharmacies through short workplace visits as part of the module. They complete a series of tasks prior to attending the placements, while they are there and once the placement is complete.

Computing facilities are available for all students and extensive use is made of virtual learning environments, including use of multiple choice assessments of some basic skills, allowing instant marking and feedback.

Students work individually in practical sessions and on some coursework assignments. Group work is encouraged in facilitated tutorials and workshops and the students complete a large group presentation as part of their coursework, further developing their communication skills. Learning portfolios are set up in anticipation of being added to throughout the entire course.

Notes

Each component (coursework, practical exam and written exam) must be passed at 50%. The pass mark for the calculations test is also 50%.