



## **WELSH SCHOOL OF PHARMACY POSTGRADUATE TAUGHT COURSES (CARDIFF UNIVERSITY)**

### **MSc/Diploma/Certificate in Pharmacy Clinical Practice (Community and Primary Care)**

Please find enclosed details of the above course. If you have any further queries or issues you would like to discuss, please contact:

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[www.cf.ac.uk/phrmy/degreeprogrammes/postgraduate/index.html](http://www.cf.ac.uk/phrmy/degreeprogrammes/postgraduate/index.html)

Deadline for applications: 31<sup>st</sup> July 2011

(Earlier applications are recommended; late applications may be considered)

# MSc/Diploma/Certificate in Pharmacy Clinical Practice (2011/12)

## Who is the course designed for?

This course has been developed for pharmacists practising in community and primary care organisations throughout the UK. In addition, pharmacists who identify a module that meets their continuing professional development (CPD) needs, may be considered for eligibility to study a module on a stand-alone basis. The focus of the course ensures that divergence of practice is addressed and benefits shared, allowing students to devise and develop high quality services for their own local area of practice.

## Course Philosophy

This course provides educational support for pharmacists who wish to enhance their knowledge of therapeutics and improve their medicines management skills. The course philosophy focuses on the individual pharmacist and their personal development in the application of knowledge to practice. The course aims to develop the pharmacist into a confident and effective practitioner who works closely with the wider healthcare team. The focus is also on the implementation of new service delivery and expanding the pharmacist's role.

## Overview

This is a three year part-time course, where students can exit with a Postgraduate Certificate after completion of four modules (usually one year), a Diploma after completion of eight modules (usually two years) or MSc after three years of study. Free standing modules can also be studied.

## Aim

To provide the community or primary care pharmacist with the knowledge and skills required to meet and take forward the changing roles of the pharmacy profession.

## Postgraduate Certificate/Diploma (Years 1 and 2)

### *Structure and Content*

The course starts in September and continues until May/June of each year. Each academic year consists of four modules by attendance at four study weekends. Module weekends will focus on therapeutic areas as well as the practical clinical skills required to deliver pharmaceutical care and medicines management services to specific groups of patients. A patient-centred approach is undertaken in the teaching of consultation plus physical assessment skills on weekend schools.

### *Course Modules*

- Medicines Management (PHT 406) - 20 credits
- Medicines Management and the Cardiovascular System (PHT 402) - 20 credits
- Medicines Management and Respiratory Disorders (PHT 403) - 10 credits
- Medicines Management and Gastro-intestinal Disorders (PHT 407) - 10 credits
- Public Health in Community Pharmacy (PHT 502) - 20 credits
- Medicines Management and the Endocrine System (PHT 501) - 20 credits
- Medicines Management and the Central Nervous System (PHT509) - 10 credits
- Management and Treatment of Skin Disorders (PHT 505) - 10 credits

### *Assessment*

Assessment will consist of a range of practice-based course work (e.g. surveys, field visits, medicines use reviews, audits), case studies, problem-solving questions, multiple choice questions, oral presentations, completion of a reflective logbook/portfolio, a project, an end of year written class test and skills-based assessment (held in May). The general level competency framework is adopted as a central tool to map professional progress throughout the programme.

### *Eligibility*

The course is designed for pharmacists practising in community pharmacy or primary care organisations in the UK. Applicants should be registered with the General Pharmaceutical Council (GPhC) and be working in practice for a minimum of one day a week.

### *Award*

Successful completion of one year (4 modules) will result in an award of a Postgraduate Certificate in Pharmacy Clinical Practice. Successful completion of two years (8 modules) will result in an award of a Postgraduate Diploma in Pharmacy Clinical Practice.

## **Masters Degree (MSc)**

### *Eligibility*

Students who have successfully completed the Diploma are required to design a viable research protocol before being allowed to undertake the research study for the MSc. Potential MSc students are required to attend an informal interview in November (before the course starts). Students can take up to a maximum of 8 years from enrolling on the Diploma to completing the MSc.

### *Course Structure*

A part-time one-year course: consisting of approximately 5 days of research methods training, (starting in January) design of a study protocol, (by March) and submission of a dissertation (end of December).

### *Award*

Successful completion will result in an MSc in Pharmacy Clinical Practice.

<b>Course Fees</b>	<b>Home students</b>	<b>Overseas students</b>
Certificate/Diploma	£2,350 per year	£3,438 per academic year
MSc	£2,350 per year	£3,438 per academic year
Free-standing Module	£600	£900

NOTE: Please note that this course is only eligible for UK residents. Please check your individual fee status using the guidance at:

<http://www.cardiff.ac.uk/regis/sfs/admissions/feestatus/fee-status.html>

### *Bursaries*

A limited number of bursaries are available on request for self-funding students only. All applications must be submitted to the Course Director by the end of October 2011. Up to a maximum of £400 can be awarded to each student to contribute towards travel and accommodation costs subject to meeting the eligibility criteria.

### *Venue*

Each study weekend is held in the Redwood Building in the Welsh School of Pharmacy, Cardiff University, located in the centre of Cardiff. Details of accommodation in nearby hotels will be provided, but students are required to meet these costs.

## Study Time

Students should be prepared to undertake a study commitment of approximately four to six hours a week. However, much of the learning and its application is work-based. Students should have access to the Internet and a Word Processor before commencing the course, or module. Each module is rated as a single or double module and awarded a number of credits as indicated.

## New Developments

This course is continually updated to reflect changes and developments in health care policy and practice. The course helps develop the knowledge and skills required to meet the needs of the community pharmacy contractual framework. After completion of the medicines management module, students will be ready to submit a portfolio for the Cardiff University MUR Accreditation if required. The WCPPE Enhanced Services accreditation is offered in year 1 of the course. Students are required to complete a reflective logbook/portfolio based on the General Level of Competency Framework to provide ongoing support to meet the requirements of the (GPhC's) CPD plan and record system. Other validated reflective tools (such as the Medication-related consultation skills framework) are used to guide reflective practice. Patients are recruited from local GP surgeries to take part in teaching activities on all study weekends. Learning and teaching is delivered by a range of different healthcare practitioners from primary and secondary care.

## Student Support

Students are supported through a tutor system, Learning Central (a virtual learning environment) and a buddying system.

## Modules and Provisional Dates for Study Weekends 2011-2012

Modules PHT 502, 501, 509 & 505 will be delivered in the academic year 2011/12.

Modules PHT 406, 402, 403 & 407 will be delivered in the academic year 2012/13.

Module PHT 502	Public Health	8 <sup>th</sup> & 9 <sup>th</sup> October 2011
Module PHT 501	Medicines Management and the Endocrine System	19 <sup>th</sup> & 20 <sup>th</sup> November 2011
Module PHT 509	Medicines Management and the Central Nervous System (CNS)	20 <sup>th</sup> & 21 <sup>st</sup> January 2012
Module PHT 505	Treatment and Management of Skin Disorders	24 <sup>th</sup> & 25 <sup>th</sup> March 2012

The class test includes a range of multiple choice questions, case studies and skills based Assessments, held on **Friday 4<sup>th</sup> May 2012**. The *viva voce* will be held in **May 2012** (TBC).

Dates for Modules PHT 502, 501, 509 & 505 weekend schools will be set early in 2012.

## How to apply?

Please visit [www.cf.ac.uk/phrmy/degreeprogrammes/postgraduate/index.html](http://www.cf.ac.uk/phrmy/degreeprogrammes/postgraduate/index.html) to download the application form. Only online applications will be accepted. It is the applicant's responsibility to provide all the supporting information requested. The application cannot be considered without the necessary supplementary information (i.e. appropriate certificates plus references).

The deadline for applications is 31<sup>st</sup> July 2011. Late applications may be considered. However it is recommended that applications are submitted as early as possible.

## **Module PHT 406      20 credits**

### **Medicines Management**

**AIM:** To enable the student to develop and implement the different processes involved in medicines management in partnership with the patient and other health care professionals

#### **Learning outcomes**

By the end of the module students will be able to:

- Describe the key features of the pharmacy contractual framework and its implications for practice
- Describe the concept of pharmaceutical care and discuss the different categories of drug related problems
- Demonstrate a thorough knowledge of various models of delivery of pharmaceutical care to patients in community and primary care settings
- Discuss the many factors which influence how prescribing decisions are made
- Appreciate the principles of evidence-based medicine and evidence-based practice
- Consult effectively with patients in order to undertake a medication use review (MUR) and medicines review
- Recognise own limitations and know when to refer to other healthcare professionals
- Effectively document details of an intervention (e.g. medicines use review and prescription interventions)
- Make recommendations to other health care professionals for improving patient care
- Discuss the theory relating to managing healthcare risk, applying national and local strategies to monitor and reduce medication errors
- Implement clinical governance and audit into every day practice

## **Module PHT 402      20 credits**

### **Medicines Management and the Cardiovascular System**

**AIM:** To enable the student to offer patient-centred care and management of prescribed drug therapies for patients at risk of suffering from cardiovascular diseases.

#### **Learning outcomes**

By the end of the module students will be able to:

- Demonstrate an enhanced knowledge of therapeutics for a range of cardiovascular disorders (e.g. hypertension, ischaemic heart disease, congestive heart failure and cardiac arrhythmias)
- Identify changes in lifestyle that promote healthy living and reduce risk of coronary heart disease
- Identify appropriate coronary risk assessment tools
- Interpret biochemical tests used in cardiovascular diseases
- Implement evidence-based literature for a range of cardiovascular disease
- Evaluate and implement national and local policy
- Complete a reflective logbook to demonstrate professional competence
- Critically appraise literature

**Module PHT 403      10 credits**

**Medicines Management and Respiratory Disorders**

**AIM:** To enable the student to offer patient-centred care and optimise management of prescribed drug therapies for respiratory disorders.

**Learning outcomes**

By the end of the module students will be able to:

- Demonstrate an enhanced knowledge of therapeutics for a range of respiratory disorders (e.g. asthma, COPD, respiratory infections)
- Implement evidence based literature for a range of respiratory disorders
- Interpret investigations and clinical features of respiratory disorders
- Manage relevant minor respiratory ailments
- Support patients in adhering to and monitoring use of inhaled therapy

**Module PHT 407      10 credits**

**Medicines Management and Gastro-Intestinal Disorders**

**AIM:** To enable the student to offer patient-centred care whilst identifying the management of prescribed drug therapies for given gastro-intestinal disorders.

**Learning outcomes**

By the end of the module students will be able to:

- Demonstrate a knowledge of therapeutics for a range of Gastrointestinal disorders (e.g. peptic ulcer disease, ulcerative colitis, Crohn's disease, reflux and GORD)
- Evaluate and implement national and local policy for the treatment of GI disorders
- Provide relevant life-style advice as appropriate
- Manage relevant minor gastro-intestinal ailments
- Implement evidence-based literature for a range of GI disorders
- Analyse and evaluate prescribing data

**Module PHT 502                      20 credits**

**Public Health in Community Pharmacy**

**AIM:** To provide pharmacists with the necessary knowledge and skills to become a proactive member of the wider public health team and adopt evidence-based strategies to promoting healthy lifestyles in the community setting

**Learning outcomes**

At the end of the module students will be able to:

- Discuss government strategies and targets for public health
- Describe the models of health promotion and behaviour change
- Apply motivational interviewing techniques to practice
- Adopt an evidence-based approach to promoting healthier lifestyles
- Justify the role of epidemiology and health economics in public health
- Describe the evidence-based approaches taken when providing support for smoking cessation
- Undertake health promotion activities within a community pharmacy or primary care setting
- Work with the local public health team to help implement a strategy for health promotion and morbidity and mortality reduction

**Module PHT 501      20 credits**

**Medicines Management and the Endocrine System**

**AIM:** To enable the student to offer patient-centred care and medicines management of prescribed drug therapies for patients at risk or suffering from endocrine disorders.

**Learning outcomes**

By the end of the module students will be able to:

- Demonstrate an enhanced knowledge of diabetes, osteoporosis and thyroid disorders
- Demonstrate a knowledge of guidance and policies relevant for prescribing in these conditions
- Demonstrate knowledge of risk assessment and prevention interventions to help reduce the risk of developing endocrine disorders
- Demonstrate a knowledge of biochemical testing and monitoring requirements involved in diagnosis and management of endocrinology disorders
- Optimise medication-taking behaviour through effective patient consultations and a knowledge of the patient's perspective in medicine taking
- Conduct the medication use review of patients diagnosed with diabetes, osteoporosis and thyroid disorders
- Develop pharmaceutical plans for individual patients diagnosed with diabetes, osteoporosis and thyroid disorders

**Module PHT 509      10 credits**

**Medicines Management and the Central Nervous System (CNS)**

**AIM:** To enable the student to provide patient-centred care and provide management of drug therapies for patients with mental health and CNS disorders

**Learning outcomes**

By the end of the module students will be able to:

- Demonstrate a knowledge of a range of mental health and CNS disorders including those specific to the elderly drug therapies used to treat these
- Demonstrate a knowledge of guidelines and policies relevant in prescribing for mental health and CNS disorders
- Demonstrate a knowledge of clinically significant drug interactions and their application to the review of prescriptions for mental health and CNS disorders
- Demonstrate a knowledge of national programmes available to support patients with mental health and CNS problems
- Describe the National Service Framework for mental health and CNS disorders and relevant national guidance
- Describe the policies and partnerships between Health and Social Services
- Discuss the patients' perspective of living with a mental health or CNS problem
- Discuss the pharmacist's role in mental health / CNS conditions (working with other health care professionals across primary and secondary care)

**Module PHT 505      10 credits**

**Treatment and Management of Skin Disorders**

**AIM:** To provide pharmacists with the knowledge and skills to offer advice to patients on prescribed and OTC drug therapies for a range of skin conditions.

**Learning outcomes**

Students will be able to demonstrate knowledge of:

- The key points in taking a patient history to aid in the diagnosis of skin conditions
- A structured approach to differential diagnosis of skin conditions
- The pathophysiology of common skin conditions (e.g. eczema and psoriasis), their key features and management
- The clinical features and management of skin infections (bacterial, fungal and viral)
- Drug induced skin reactions and their management
- The place of complementary therapies used in the management of skin conditions
- The guidelines and policies relevant to the management of skin conditions

**Please Note:**

The Postgraduate Taught Board of Studies reserves the right to:

1. Add or delete modules from the list (and make changes to the specific content of the module)
  2. Determine when modules are offered in any academic year
  3. Determine the combinations of modules to be pursued by each participant in each year of the course
- providing participants are informed of any changes at the beginning of the academic year.

**MSc Year**

**Module          PHT604**

**Research Project          60 credits**

**AIM:** To demonstrate an understanding and application of research methodology used in the practice of pharmacy

**Learning outcomes**

At the end of the module students will be able to:

- Identify and use different research methods
- Collect, analyse and interpret data using statistical techniques
- Present research findings
- Critically appraise published research articles
- Produce a viable research protocol and a written dissertation