



Module Specification

Pharmacology and Therapeutics 1

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Part 1: Information

Module title: Pharmacology and Therapeutics 1

Module code: UZYY53-15-2

Level: Level 5

For implementation from: 2023-24

UWE credit rating: 15

ECTS credit rating: 7.5

Faculty: Faculty of Health & Applied Sciences

Department: HAS School of Health and Social Wellbeing

Partner institutions: None

Field: Allied Health Professions

Module type: Module

Pre-requisites: None

Excluded combinations: None

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: Not applicable

Features: Not applicable

Educational aims: See Learning Outcomes.

Outline syllabus: The Module will introduce students to the basic principles of applied ocular pharmacology relevant to the use of diagnostic and over-the-counter ophthalmic drugs in optometric practice. Students will be introduced to drug

legislation and the Medicines Act, a variety of formularies and internet sources of drug information.

The module will cover the methods of drug administration and absorption, hygiene when administering drugs, and taking a drug history in clinical practice.

This module provides students with the knowledge and clinical skills necessary to use the following ophthalmic drugs safely and effectively: diagnostic dyes, cycloplegic drugs, topical anaesthetics and artificial tear substitutes. Students will learn the formulation, design and pharmacokinetics, mechanisms of actions, indications for use, contraindications and adverse reactions for the drugs listed above.

Part 3: Teaching and learning methods

Teaching and learning methods: The module will typically comprise of weekly contact lectures and online learning.

Module Learning outcomes: On successful completion of this module students will achieve the following learning outcomes.

MO1 Explain the mechanisms of action of: cycloplegic drugs, diagnostic dyes, topical anaesthetics, and drugs for dry eye, and relate the mechanism of action to its ocular and systemic adverse reactions

MO2 Describe the legislative class of some ophthalmic drugs, and demonstrate an understanding of the Medicines Act

MO3 Correlate the findings in an ophthalmic history to the medication a patient might be taking

MO4 Indicate how and when to safely and effectively administer the following drugs: cycloplegic drugs, diagnostic dyes, topical anaesthetics, and drugs for dry eye by a knowledge of the indications for use, the correct hygiene and absorption

Hours to be allocated: 150

Contact hours:

Independent study/self-guided study = 118 hours

Face-to-face learning = 36 hours

Total = 154

Reading list: The reading list for this module can be accessed at readinglists.uwe.ac.uk via the following link

<https://rl.talis.com/3/uwe/lists/4CCFA27D-816C-D7D8-CC6D-295C132C1BF8.html?lang=en>

Part 4: Assessment

Assessment strategy: The assessment task will be a 2 hour written exam which will include MCQs, SAQs, and long-answer questions.

Rationale: This will assess the underpinning theoretic aspects of the module relating to ocular pharmacology as per the learning outcomes, and allow students to be assessed efficiently on factual knowledge as well as exploring more depth and application through longer answers.

Formative assessment: Students will be able to engage in formative quizzes and exam opportunities throughout the module, in addition to formative feedback during module activities.

Assessment tasks:**Examination (First Sit)**

Description: Exam (2 hours)

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

Examination (Resit)

Description: Exam (2 hours)

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Optometry [Glenside] BSc (Hons) 2022-23