

<b>Module Title:</b>	Drug Actions and Uses 2
<b>Language of Instruction:</b>	English
<b>Credits:</b>	10
<b>NFQ Level:</b>	6
<b>Module Delivered In</b>	No Programmes
<b>Teaching &amp; Learning Strategies:</b>	This module will be taught in 3 workshops of five hour duration in semester 1 and 2 theory classes of one hour duration and 1 practical hour per week for fifteen weeks in semester 2. Pre-reading material (available on Blackboard) will encourage students to explore topics prior to lectures/workshops. The theory classes will cover the underlying pathophysiology of common conditions and international best practice - informed management. Q&A and group discussion will allow students to relate theory to the management of conditions with an emphasis on a holistic overview of patient care within a pharmacy context and strategies to support self management. The practical element will include prescription analysis and filling and exploration of the management of common conditions through case studies.
<b>Module Aim:</b>	On completion of this module the student will have an understanding of the pathophysiology of common diseases and how pharmacological intervention assists in their treatment.
<b>Learning Outcomes</b>	
<i>On successful completion of this module the learner should be able to:</i>	
LO1	Explain the pathology of common medical conditions.
LO2	Give rationale as to the use of certain drugs in the management of conditions and relate the mechanism of action of these drugs to the pathology of the particular diseases.
LO3	List the main cautions, side-effects and drug interactions of certain commonly used drugs.
LO4	Outline evidence-based strategies and advice which should be given to patients, to facilitate self-management of common medical conditions, as appropriate for a pharmacy technician.
<b>Pre-requisite learning</b>	
<b>Module Recommendations</b> <i>This is prior learning (or a practical skill) that is recommended before enrolment in this module.</i>	
No recommendations listed	
<b>Incompatible Modules</b> <i>These are modules which have learning outcomes that are too similar to the learning outcomes of this module.</i>	
No incompatible modules listed	
<b>Co-requisite Modules</b>	
No Co-requisite modules listed	
<b>Requirements</b> <i>This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.</i>	
Successful completion of year 1 or equivalent	

## Module Content & Assessment

### Indicative Content

#### The integumentary system

Pathology and treatment of common skin disorders including eczema, psoriasis, acne.

#### The respiratory system

Pathology and treatment of common respiratory conditions including asthma, chronic pulmonary disease (COPD) and allergic rhinitis.

#### Musculoskeletal system

Pathology and treatment of common conditions affecting the musculoskeletal system including osteoarthritis, rheumatoid arthritis, osteoporosis and gout.

#### Endocrine/ reproductive system

Pathology and treatment of diabetes mellitus, hypothyroidism and hyperthyroidism. Women's health including hormonal contraception and management of the menopause. Corticosteroids - indications and cautions.

#### Psychiatric disorders and treatment

Overview of the management of common psychiatric conditions including depression, anxiety, sleep disorders, psychotic disorders, attention deficit and hyperactivity disorders.

#### Miscellaneous

Management of anaemia, liver disease, kidney disease, transplant patients. Overview of commonly prescribed chemotherapeutic agents.

#### Practicals

The objective of the practical classes is to reinforce the material covered in lectures, to allow students to apply what they are learning and develop a skill set which is needed in practice. Practical classes also allow discussion of any course related queries as they arise. Students will become familiar with the BNF and other reference texts which are used in practice. Students will develop a range of skills including how to check dosages, side effects and drug interactions for prescribed drugs. This will be done by working through a range of mock-up prescriptions and case studies. The mock-up prescriptions will cover drugs being studied in lectures. Students will also learn; 1. The importance of accuracy and attention to detail in all aspects of the work of a pharmacy technician, 2. Problem solving skills.

Assessment Breakdown	%
Continuous Assessment	10.00%
Practical	40.00%
End of Module Formal Examination	50.00%

### Special Regulation

Students must achieve a minimum grade (35%) in both the practical/CA and final examination.

### Continuous Assessment

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Other	Mid-term exam/or case history presentation	1,2,3,4	10.00	n/a

No Project

### Practical

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Practical/Skills Evaluation	Case study and prescription analysis. Dispensing practice.	1,2,3,4	40.00	Sem 1 End

### End of Module Formal Examination

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Formal Exam	3 hour exam	1,2,3,4	50.00	End-of-Semester

SETU Carlow Campus reserves the right to alter the nature and timings of assessment

**Module Workload**

<b>Workload: Full Time</b>		
<i>Workload Type</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Lecture	30 Weeks per Stage	1.50
Laboratory	30 Weeks per Stage	0.50
Estimated Learner Hours	30 Weeks per Stage	2.67
Total Hours		140.00

