



# Nature Care College

## Pharmacology

<b>DESCRIPTION</b>	Pharmacology familiarizes the student with pharmacological terminology, introduces the classification of commonly used drugs according to their pharmacological actions and investigates drug side effects and interactions.	
<b>DURATION</b>	36 hours	
<b>LEARNING OUTCOMES</b>	<p>By the conclusion of the unit of study, students should be able to:</p> <ol style="list-style-type: none"> <li>1. Describe and compare different types of drug names (chemical, generic and brand).</li> <li>2. Describe the process of the distribution of prescribed drugs through the body.</li> <li>3. Apply their knowledge of the effects of drugs on the human body when assessing patients' state of health in clinical situations.</li> <li>4. Identify drugs used to treat particular systems, and assist patients with methods of reducing and preventing possible side effects associated with these substances.</li> </ol>	
<b>TEACHING METHOD</b>	<p>Lectures          Activities/discussions          Revisions</p>	
<b>ASSESSMENT</b>	Assignment	40%
	Formative Examination Process – Mid Term	30%
	Formative Examination Process – End of Term	30%
	<p><b>Pass mark: 60%</b>  <b>Each assessable component must be completed and passed at 60% in order to pass this subject satisfactorily.</b></p> <p><b>NOTE:</b> Students are required to take photocopies before submitting assignments to the trainer. Marked assignments can be collected from your trainer in class.</p>	
<b>COMPETENCIES PARTIAL COMPLETION</b>	<p>Successful completion of this unit of study is in partial completion of the Health Training Package HLT07 Units of Competency</p> <p>HLTAP501A - Analyse health information</p>	
<b>ATTENDANCE</b>	80% minimum	
<b>PRE-REQUISITES</b>	<p>Biochemistry.          Anatomy &amp; Physiology 2.          Symptomatology &amp; Diagnosis and Pathology 1.</p>	
<b>CO-REQUISITES</b>		

---

Nil

---

**MATERIALS  
REQUIRED**

Notebook, pen.

---

**TEXTBOOKS**

**Compulsory:** Bryant, B., Knights, K. and Salerno E, 3rd Edition. (2011). Pharmacology for Health Professionals. Sydney: Mosby.

**Recommended Reading / References:**

Bryant, B., Knights, K. and Salerno, E. (2003). Pharmacology for Health Professionals. Sydney: Mosby.

Neal, M.J. (2002). Medical Pharmacology at a Glance. Oxford: Blackwell Science.

Galbraith, A., Bullock, S. and Manias, E. (2001). Fundamentals of Pharmacology. Sydney: Prentice Hall Health.

Rang, H.P., Ritter, J.M. and Dale, M. (1999). Pharmacology. Edinburgh: Churchill Livingstone.

Australian Prescriber Product Guide online at [www.appco.com.au/appguide](http://www.appco.com.au/appguide).

MIMS Annual(latest edition). Sydney: MediMedia Australia.

---

## WEEK-BY-WEEK OUTLINE

---

<b>WEEK 1</b>	Introduction to Pharmacology
<b>WEEK 2</b>	Pharmacology of the autonomic nervous system
<b>WEEK 3</b>	Pharmacology of the Heart
<b>WEEK 4</b>	Blood and urinary systems.
<b>WEEK 5</b>	Respiratory system and toxicology
<b>WEEK 6</b>	<b>Mid term Exam</b> Gastrointestinal System
<b>WEEK 7</b>	Endocrine system
<b>WEEK 8</b>	The Reproductive System and Hyperlipidaemia <b>Assignment due</b>
<b>WEEK 9</b>	Analgesics and Anti-inflammatory drugs
<b>WEEK 10</b>	Pharmacology of the Central Nervous System
<b>WEEK 11</b>	Basic principles of antibiotics, antiviral, and chemotherapy drugs
<b>WEEK 12</b>	<b>End of term Exam and return of Assignments</b>

---

**PLEASE NOTE:** Students are expected to come to lectures with a good understanding of relevant anatomy/physiology and pathology/symptomatology topics. And also to bring their learning guide and textbook to class.

Please be respectful of your fellow students and arrive on time for class. Please ensure all mobile phones are turned off prior to the commencement of class.