

a) Course Code, name and credits:			
BMI 2201 /Introductory Pharmacology /3			
b) Description: General description of the course, include mode of delivery.			
<p>This course introduces the student to the basic principles of pharmacology. It is not required to have any prior knowledge of chemistry for this course. Drug groups used in radiological contrast media studies and interventional procedures are discussed. The second section of the course teaches the classification, characteristics, uses and contra indications of contrast media used in radiological procedures.</p> <p>Delivery Mode: Classroom sessions</p>			
c) Reasons for introducing course:			
<p>If the course is replacing an existing one, state the existing course code, name and credits, the degree(s) for which the course is a requirement and the reason for the replacement. The old course outline must be attached.</p> <p>If the course is a stand alone course, a statement on the demand for the course must be made.</p>			
Course demand is based on curriculum			
d) Are there similar courses in the Faculty or University? If so give course codes, names and credits, and explain why they could not be used.			
Nil			
e) Co-requisites and Pre-requisites:			
Program basic entrance requirements			
f) Learning outcomes: State what the student will be able to do on the successful completion of the course. (See Appendix 3 Page 11 for guidelines)			
The student will have the skills, knowledge and ability to			
<ul style="list-style-type: none"> • Identify the principle characteristics of drugs used in the radiology and medical imaging department • Describe the structure and function of drugs used in emergency situations • Classify contrast media and which studies they are used for • Assists in the administration of contrast media in a safe manner • Identify any contraindications to the administration of any contrast media • Practice safe and ethical behaviour in any use or handling of drugs 			
g) Contact Hours:			
	Contact hrs per wk*	Class size	Mode of delivery
Lectures	2	25	Face to face/ online sessions

Tutorials	1	25	Face to face
Labs	2	25	Face to face
h) Method of Evaluation/Assessment:			
(i) For courses with a final examination of at least 50%.			
Course work: 2 tests%, 8 labs%, 2 assignments%, etc			
Final exam: 3hours,%			
(ii) For continuously assessed courses.			
Test 1%, etc, Assignment%, Long paper%, etc.			
Course work:	2 tests 15% each, 2 assignments 5% each		
Final exam:	3 hours, 60%		
i) Requirements to pass course: e.g. Must pass Course Work and Exam, etc. to pass Course.			
Must pass Course Work and Final Exam to pass Course			
j) Grading System:			
A	80-100 %		
B	70-79 %		
C	60-69 %		
D	55-59%		
F	0-54%		
k) Course Content:			
Week	Topics		
1	General principles of drug action/ mechanisms of drug action		
2	Getting drugs in to and around the body		
3	Cellular mechanisms (excitation, contraction and secretion)		
4	Drug action in the Autonomic nervous system		
5	Relevant Drug groups		
6	Drugs and their use in radiology		
7	Emergency trolleys.		
8	Use of contrast agents, types of agents. Conditions contrast agents must meet for use		
9	Contrast media, classification, use and contraindications		

10	Contrast media, classification, use and contraindications cont.
11	Intro to Contrast media and pharmaceuticals used in other imaging modalities
12	Introduction to therapeutic agents
13	General principles of drug action/ mechanisms of drug action
14	Review
15	Final Examination
<p>l) Book Lists/Recommended Reading: List text books, journals, internet resources using the APA format (see Appendix 4, Page 12). Use an asterisk at the beginning of each reference to indicate texts/journals which are available in the University Library.</p> <p>Core texts and journals</p> <p>Additional reading material</p> <p>Booklist</p> <ul style="list-style-type: none"> • Rang et al (2005) <i>Pharmacology</i> 5th Edition. Churchill Livingstone. ISBN 0443 071454 • Ehrlich, R., McCloskey, E., and Daly, J. (1999). <i>Patient care in radiography</i>. 5th Edition. St. Louis: Mosby-Year Book. 	
<p>m) Staff requirements:</p> <p>Lecturer for classroom sessions</p>	
<p>n) Budget: The details given below are to be provided for a stand-alone course. Where the course is replacing one of equivalent course requirements, contact hours and credits</p>	