Unit Outline

GMED2001 Applied Bioscience for Acute Conditions
Trimester 2A, 2016

Unit study package code: GMED2001
Mode of study: Internal
Tuition pattern summary: Note: For any specific variations to this tuition pattern and for precise information refer to the Learning Activities section.
Lecture: 4 x 2 Hours Semester
Individual Study: 5 x 2 Hours Semester
Tutorial: 1 x 2 Hours Weekly
This unit does not have a fieldwork component.

Credit Value: 25.0
Pre-requisite units:
- 313033 (v.0) Nursing Practice 263 or any previous version
- NURS2002 (v.0) Integrated Nursing Practice or any previous version
- 300717 (v.0) Health in Ageing 223 or any previous version
- 310829 (v.0) Complications of Childbearing 214 or any previous version
- MIDW2002 (v.0) Complications of Childbearing or any previous version
- 303779 (v.0) Health Assessment 261 or any previous version
- NURS3000 (v.0) Health Assessment or any previous version
AND
- 313030 (v.0) Applied Bioscience 263 or any previous version
- GMED2000 (v.0) Applied Bioscience for Chronic Conditions or any previous version
- 300724 (v.0) Nursing and Midwifery Bioscience 243 or any previous version
- 301591 (v.0) Bachelor of Science (Nursing) Conversion Program for Registered Nurses or any previous version
- B-NURSCON (v.0) Bachelor of Science (Nursing) Conversion Program for Registered Nurses or any previous version

Co-requisite units: Nil
Anti-requisite units: Nil
Result type: Grade/Mark
Acknowledgement of Country
We respectfully acknowledge the Indigenous Elders, custodians, their descendants and kin of this land past and present.

Syllabus
The unit covers pathophysiology, clinical presentation, diagnosis and clinical decision-making for individuals with adverse health events: respiratory, cardiovascular, neoplasia, hepatobiliary, gastrointestinal and urological dysfunction. Students learn about changes to normal brain functioning; impacting upon cognition: dementia, delirium. The unit focuses on quality use of medicines.

Introduction
The primary purpose of this unit is to assist the student to develop critical thinking skills and problem solving skills that can be used in clinical practice in Singapore. The basic concept that underlies this unit is that the clinical manifestations (signs and symptoms) of disease are directly associated with the pathophysiology of the disease. On completion of this unit the student should be able to integrate the relationships between aetiology, pathophysiology, clinical manifestations and clinical nursing management of conditions. This unit provides a link between theory and clinical practice.

Unit Learning Outcomes
All graduates of Curtin University achieve a set of nine graduate attributes during their course of study. These tell an employer that, through your studies, you have acquired discipline knowledge and a range of other skills and attributes which employers say would be useful in a professional setting. Each unit in your course addresses the graduate attributes through a clearly identified set of learning outcomes. They form a vital part in the process referred to as assurance of learning. The learning outcomes tell you what you are expected to know, understand or be able to do in order to be successful in this unit. Each assessment for this unit is carefully designed to test your achievement of one or more of the unit learning outcomes. On successfully completing all of the assessments you will have achieved all of these learning outcomes.

Your course has been designed so that on graduating we can say you will have achieved all of Curtin’s Graduate Attributes through the assurance of learning process in each unit.
On successful completion of this unit students can:

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
<th>Graduate Attributes addressed</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Discuss the pathophysiology of common conditions associated with the unstable person</td>
<td></td>
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<tr>
<td>2</td>
<td>Explain therapeutic clinical management strategies employed by the health care team for the unstable person</td>
<td></td>
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<tr>
<td>3</td>
<td>Describe the role of the nurse or midwife in the management of the unstable person</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Integrate the relationships between aetiology, pathophysiology, manifestations and therapeutic management of conditions that are associated with the unstable person and implications for clinical practice</td>
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### Curtin's Graduate Attributes

- **Apply discipline knowledge**: Thinking skills (use analytical skills to solve problems)
- **Communication skills**: Technology skills
- **International perspective**: Cultural understanding (value the perspectives of others)
- **Learning how to learn**: Professional Skills (work independently and as a team; plan own work)
- **Thinking skills**: Information skills (confidence to investigate new ideas)
- **Information skills**: Learning how to learn (apply principles learnt to new situations; confidence to tackle unfamiliar problems)
- **Technology skills**: Cultural understanding (value the perspectives of others)
- **Professional Skills**: Communication skills (value the perspectives of others; apply principles learnt to new situations)
- **Learning how to learn**: Professional Skills (work independently and as a team; plan own work)
- **Thinking skills**: Information skills (confidence to investigate new ideas)

Find out more about Curtin's Graduate attributes at the Office of Teaching & Learning website: [ctl.curtin.edu.au](http://ctl.curtin.edu.au)

### Learning Activities

Includes lectures, tutorials, and self-guided study (i.e. textbook readings & online resources):
- Lectures – 12 hours of block lectures by the visiting Unit Coordinator.
- Tutorials – 2hrs per fortnight x 6 with local tutors (includes group work, case study discussion)

### Learning Resources

**Other resources**

You will need to purchase the following textbook(s) in order to complete this unit:


* There is a US based version of the main Pathophysiology text *Understanding Pathophysiology*; HOWEVER please note that this version has some component of American based terminology, different generic drug names, and imperial measurements.

### Tutorials

You will be divided into separate tutorial groups. You will have 12 hours (2 hours per tutorial X 6 sessions) of tutorial contact time with a locally based tutor. Your tutors for Singapore Trimester 1A 2016 are as follows:

Geraldine Raj   Geraldine.Raj@curtin.edu.au
The tutorial sessions will focus on applying the content of the various module topics using a variety of methods, including exploring case studies. It is expected that students’ will actively engage and openly communicate within tutorials to gain the most from these sessions. **NOTE: Students are expected to do pre-reading and some preparation before each tutorial.**

### Assessment

**Assessment schedule**

<table>
<thead>
<tr>
<th>Task</th>
<th>Value %</th>
<th>Date Due</th>
<th>Unit Learning Outcome(s) Assessed</th>
</tr>
</thead>
</table>
| 1 e-Test              | 30 percent | **Week:** Week 7  
**Day:** Friday 26th  
August 2016  
**Time:** TBA | 1,2 |
| 2 Group presentation  | 30 percent | **Week:** Week 12  
**Day:** Friday 30th  
September 2016  
**Time:** 5pm | 1,2,3,4 |
| 3 Examination         | 40 percent | **Week:** Exam Week  
**Day:** TBA  
**Time:** TBA | 1,2,4 |

**Detailed information on assessment tasks**

1. **E-test:** Respiratory system (Asthma focus) case study assessment. This is an invigilated e-test held in the Curtin Singapore computer lab (closed book). The assessment includes multiple choice questions. Pass mark is 50% or greater. Date: Due Week 7 26th August 2016 you will receive email notifications from Curtin Singapore 1-2 weeks nearer to the assessment date about the exact time and computer lab venues. (Please refer to blackboard for further details).

2. **Group work:** Respiratory system (Pneumonia) case study submission. This is a group work assessment. The group is required to submit a written presentation via blackboard, by the due date. (Please refer to blackboard for further details). Due week 12 30th September 2016

3. **Examination:** The final end of semester exam will include the whole semester content. The exam will include part A with multiple choice questions; and part B with 2 case studies and short answer questions. Pass mark: 50% or greater. (Please refer to Blackboard for further details). You will receive the details Via the Official Communication Channel (OCC) inbox on TBA, sent out by Curtin Singapore regarding exam dates/Times.

### Pass requirements

**Result Type (Grading System): %**

A student must achieve 50% or higher for the total marks of all assessments AND a student must achieve a total grade of 50% or higher in assessment 1 the e-test, and must achieve a total grade of **50% or higher in assessment 3** the final exam. All students must complete all 3 assessments. This is a significant unit; failure twice may lead to termination of a student’s course.
Fair assessment through moderation

Moderation describes a quality assurance process to ensure that assessments are appropriate to the learning outcomes, and that student work is evaluated consistently by assessors. Minimum standards for the moderation of assessment are described in the Assessment and Student Progression Manual, available from policies.curtin.edu.au/policies/teachingandlearning.cfm

Late assessment policy

This ensures that the requirements for submission of assignments and other work to be assessed are fair, transparent, equitable, and that penalties are consistently applied.

1. All assessments students are required to submit will have a due date and time specified on this Unit Outline.
2. Students will be penalised by a deduction of ten percent per calendar day for a late assessment submission (eg a mark equivalent to 10% of the total allocated for the assessment will be deducted from the marked value for every day that the assessment is late). This means that an assessment worth 20 marks will have two marks deducted per calendar day late. Hence if it was handed in three calendar days late and given a mark of 16/20, the student would receive 10/20. An assessment more than seven calendar days overdue will not be marked and will receive a mark of 0.

Assessment extension

A student unable to complete an assessment task by/on the original published date/time (eg examinations, tests) or due date/time (eg assignments) must apply for an assessment extension using the Assessment Extension form (available from the Forms page at students.curtin.edu.au/administration/) as prescribed by the Academic Registrar. It is the responsibility of the student to demonstrate and provide evidence for exceptional circumstances beyond the student’s control that prevent them from completing/submitting the assessment task.

The student will be expected to lodge the form and supporting documentation with the unit coordinator before the assessment date/time or due date/time. An application may be accepted up to five working days after the date or due date of the assessment task where the student is able to provide an acceptable explanation as to why he or she was not able to submit the application prior to the assessment date. An application for an assessment extension will not be accepted after the date of the Board of Examiners’ meeting.

Deferred assessments

If your results show that you have been granted a deferred assessment you should immediately check OASIS for details.

Deferred examinations/tests will be held from 04/11/2016 to 04/11/2016. Notification to students will be made after the Board of Examiners’ meeting via the Official Communications Channel (OCC) in OASIS.

Supplementary assessments

Supplementary assessments, if granted by the Board of Examiners, will have a due date or be held between 04/11/2016 and 04/11/2016. Notification to students will be made after the Board of Examiners’ meeting via the Official Communications Channel (OCC) in OASIS.

It is the responsibility of students to be available to complete the requirements of a supplementary assessment. If your results show that you have been granted a supplementary assessment you should immediately check OASIS for details.

Reasonable adjustments for students with disabilities/health circumstances likely to impact on studies

A Curtin Access Plan (CAP) is a document that outlines the type and level of support required by a student with a disability or health condition to have equitable access to their studies at Curtin. This support can include alternative exam or test arrangements, study materials in accessible formats, access to Curtin’s facilities and services or other support as discussed with an advisor from Disability Services (disability.curtin.edu.au). Documentation is required...
from your treating Health Professional to confirm your health circumstances.
If you think you may be eligible for a CAP, please contact Disability Services. If you already have a CAP please provide it to the Unit Coordinator at the beginning of each semester.

Referencing style
The referencing style for this unit is APA 6th Ed.
More information can be found on this style from the Library web site: http://libguides.library.curtin.edu.au/referencing.

Copyright
© Curtin University. The course material for this unit is provided to you for your own research and study only. It is subject to copyright. It is a copyright infringement to make this material available on third party websites.

Academic Integrity (including plagiarism and cheating)
Any conduct by a student that is dishonest or unfair in connection with any academic work is considered to be academic misconduct. Plagiarism and cheating are serious offences that will be investigated and may result in penalties such as reduced or zero grades, annulled units or even termination from the course.
Plagiarism occurs when work or property of another person is presented as one’s own, without appropriate acknowledgement or referencing. Submitting work which has been produced by someone else (e.g. allowing or contracting another person to do the work for which you claim authorship) is also plagiarism. Submitted work is subjected to a plagiarism detection process, which may include the use of text matching systems or interviews with students to determine authorship.
Cheating includes (but is not limited to) asking or paying someone to complete an assessment task for you or any use of unauthorised materials or assistance during an examination or test.
From Semester 1, 2016, all incoming coursework students are required to complete Curtin’s Academic Integrity Program (AIP). If a student does not pass the program by the end of their first study period of enrolment at Curtin, their marks will be withheld until they pass. More information about the AIP can be found at: https://academicintegrity.curtin.edu.au/students/AIP.cfm
Refer to the Academic Integrity tab in Blackboard or academicintegrity.curtin.edu.au for more information, including student guidelines for avoiding plagiarism.

Information and Communications Technology (ICT) Expectations
Curtin students are expected to have reliable internet access in order to connect to OASIS email and learning systems such as Blackboard and Library Services.
You may also require a computer or mobile device for preparing and submitting your work.
For general ICT assistance, in the first instance please contact OASIS Student Support: oasisapps.curtin.edu.au/help/general/support.cfm
For specific assistance with any of the items listed below, please contact The Learning Centre: life.curtin.edu.au/learning-support/learning_centre.htm

- Using Blackboard, the I Drive and Back-Up files
- Introduction to PowerPoint, Word and Excel

Additional information
Enrolment
It is your responsibility to ensure that your enrolment is correct - you can check your enrolment through the eStudent option on OASIS, where you can also print an Enrolment Advice.
Student Rights and Responsibilities

It is the responsibility of every student to be aware of all relevant legislation, policies and procedures relating to their rights and responsibilities as a student. These include:

- the Student Charter
- the University’s Guiding Ethical Principles
- the University’s policy and statements on plagiarism and academic integrity
- copyright principles and responsibilities
- the University’s policies on appropriate use of software and computer facilities

Information on all these things is available through the University’s "Student Rights and Responsibilities" website at: students.curtin.edu.au/rights.

Student Equity

There are a number of factors that might disadvantage some students from participating in their studies or assessments to the best of their ability, under standard conditions. These factors may include a disability or medical condition (e.g. mental illness, chronic illness, physical or sensory disability, learning disability), significant family responsibilities, pregnancy, religious practices, living in a remote location or another reason. If you believe you may be unfairly disadvantaged on these or other grounds please contact Student Equity at eesi@curtin.edu.au or go to http://eesi.curtin.edu.au/student_equity/index.cfm for more information.

You can also contact Counselling and Disability services: http://www.disability.curtin.edu.au or the Multi-faith services: http://life.curtin.edu.au/health-and-wellbeing/about_multifaith_services.htm for further information.

It is important to note that the staff of the university may not be able to meet your needs if they are not informed of your individual circumstances so please get in touch with the appropriate service if you require assistance. For general wellbeing concerns or advice please contact Curtin's Student Wellbeing Advisory Service at: http://life.curtin.edu.au/health-and-wellbeing/student_wellbeing_service.htm

Recent unit changes

Students are encouraged to provide unit feedback through eVALUate, Curtin’s online student feedback system. For more information about eVALUate, please refer to evaluate.curtin.edu.au/info/.

To view previous student feedback about this unit, search for the Unit Summary Report at https://evaluate.curtin.edu.au/student/unit_search.cfm. See https://evaluate.curtin.edu.au/info/dates.cfm to find out when you can eVALUate this unit.

Recent changes to this unit include:

Changes to the E-Test to reflect Singapore Nursing Practice
Program calendar

See Bb