

Unit Outline

GMED3003 Applied Paramedic Bioscience 4 Semester 2, 2016

Unit study package code:	GMED3003
Mode of study:	Fully Online
Credit Value:	25.0
Pre-requisite units:	314482 (v.0) Applied Paramedic Bioscience 365 or any previous version OR GMED3002 (v.0) Applied Paramedic Bioscience 3 or any previous version
Co-requisite units:	Nil
Anti-requisite units:	Nil
Result type:	Grade/Mark
Approved incidental fees:	Information about approved incidental fees can be obtained from our website. Visit fees.curtin.edu.au/incidental_fees.cfm for details.
Unit coordinator:	Title: Ms Name: Michelle Young Phone: (08) 9266 3056 Email: Michelle.Young1@curtin.edu.au Location: Building: 405 - Room: 417

Teaching Staff:

Administrative contact:	Name: School Student Support Office Phone: (08) 9266 2053 Email: Hlth-NursingStudentSupport@curtin.edu.au Location: Building: 405 - Room: Level 3 Reception
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Learning Management System: [Blackboard](https://lms.curtin.edu.au) (lms.curtin.edu.au)

Acknowledgement of Country

We respectfully acknowledge the Indigenous Elders, custodians, their descendants and kin of this land past and present.

Syllabus

Pathophysiology, clinical presentation diagnosis and clinical decision making for individuals, including paediatrics, with acute conditions: sepsis, renal, hepatobiliary, gastrointestinal, haematological dysfunction and urological dysfunction, hyperbaric conditions, normal pregnancy.









Introduction

This is the fourth Applied Paramedic Bioscience unit in the Paramedicine Major. Through this unit you will explore pathophysiology, clinical presentation, diagnosis and clinical decision making for individuals throughout the lifespan (including paediatrics). Conditions explored will include associated changes to normal renal/genitourinary, hepatobiliary and gastrointestinal function. Haematological dysfunction, hyperbaric conditions, sepsis and non-complicated pregnancy will also be covered. This outline gives you important information about the general aims of the unit, texts, and references. It also includes details about the assessments, including allocation of marks, grading criteria and submission dates. You are required to read and understand the expectations outlined in this document. Information contained within this unit outline specifies the requirements for this unit and explains your rights and responsibilities in relation to Curtin University. As an external student you are expected to log onto the FLECS blackboard site for this unit every week. We will be using different learning technologies; information will be presented via electronic lectures, video clips, on-line case studies and on-line student-led discussions and activities. When you review the unit each week, there will be an activity or electronic lead lecture for you to view as well as other teaching materials and discussion questions and activities. You will also need to take time to perform selfdirected learning through reviewing unit resources, reading related literature and contributing to online discussion through blackboard while preparing for assessments. You are expected to play an active role relative to the content within this unit. You are expected to take 2-3 hours to watch the lead lecture made available on blackboard and complete the reading/selfdirected study before engaging in discussion with your tutor and fellow students. The tutor is here to facilitate, guide and support your learning but you are responsible for preparation and consolidation of your own learning.










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:		Graduate Attributes addressed
1	Explain the pathophysiology of common conditions associated with the unstable or emergent client with sepsis and/or renal and/or hepatobiliary and/or gastrointestinal and/or hyperbaric conditions and/or gastrointestinal and/or urological dysfunction	 
2	Explain the therapeutic management strategies employed by the paramedic team for the emergency delivery of a normal pregnancy within the pre-hospital setting	 
3	Evaluate the role of the paramedic in the management of the unstable client	 
4	Integrate the relationships between aetiology, pathophysiology, manifestations and therapeutic management of conditions that are associated with critically unstable client and implications for paramedic practice	 

Curtin's Graduate Attributes

	Apply discipline knowledge		Thinking skills (use analytical skills to solve problems)		Information skills (confidence to investigate new ideas)
	Communication skills		Technology skills		Learning how to learn (apply principles learnt to new situations) (confidence to tackle unfamiliar problems)
	International perspective (value the perspectives of others)		Cultural understanding (value the perspectives of others)		Professional Skills (work independently and as a team) (plan own work)
Find out more about Curtin's Graduate attributes at the Office of Teaching & Learning website: ctl.curtin.edu.au					

Learning Activities

During the semester there will be a range of electronic lectures and online tutorials containing a mixture of teaching and learning modes. You will be provided with a range of discussion questions to reflect on the unit content along with readings and a range of additional resources under unit materials in blackboard. You are encouraged to read extensively on the topics covered in this unit so that you can contribute to online discussions, preparing you well for patient exposure in the pre-hospital setting. The activities and discussion questions aim to reinforce and enhance understanding of the lecture content. Through the combination of approaches to learning it is anticipated that students will obtain a broad understanding of the subjects within this unit. These activities will assist you in meeting the learning outcomes required to pass the unit and are also designed to cater for different learning styles. It is essential that, in order to maximise the potential of this unit, you undertake the required reading. This will enhance the level of group discussion and subsequently your learning. You are expected to actively participate in each of the weekly activities available on Blackboard, designed to provide you with the opportunity to gather knowledge and develop the skills required for you complete each of the assessment activities, whether they are individual or group based.

Learning Resources

Library Reserve

There are resources for this unit in the library Reserve collection. To access these resources, please click on the following link:

<http://link.library.curtin.edu.au/primo/course?GMED3003>

Recommended texts

You do not have to purchase the following textbooks but you may like to refer to them.

- They are **highly recommended** as you will need access to them to complete the readings around the subjects each week and assessments for this unit.

Curtis, K. & Ramsden, C. (2016). *Emergency and trauma care for nurses and paramedics* (2nd ed.). Australia: Elsevier

Huether, S. E. & McCance, K. L. (2012). *Understanding pathophysiology* (5th ed.). Missouri: Mosby Elsevier

Rang, H.P. & Dale, M. M. (2012). *Rang and Dale's pharmacology* (7th ed.). Churchill Livingstone: Elsevier

VanMeter, K. & Hubert, R. (2014). *Gould's pathophysiology for the health professions* (5th ed.). Australia: Eseevier

Other resources

You will have access to a range of audio-visual and on-line learning resources to assist you in the unit. These include guided readings, pre-recorded lectures, case studies and scenarios, links to on-line videos and websites and practice multi-choice questions.

You will also find a lot of useful information on the libguides section of the library <http://libguides.library.curtin.edu.au/healthsciences>

Assessment

Assessment schedule

	Task	Value %	Date Due	Unit Learning Outcome(s) Assessed
1	Integrated case study	40 percent	Week: 13 Day: Friday 28/10/16 Time: 2359hrs	1,3,4
2	Online tutorial activities	30 percent	Week: 10 Day: Monday 03/10/2016 Time: 2359hrs	2,3
3	e-Test	15 percent	Week: 6 Day: Wed 07/10 - Thurs 08/10/2016 Time: 0900hrs - 0900hrs	1,2,4
4	e-Test	15 percent	Week: 16 Day: Wed 16/11 - Thurs 17/11/2016 Time: 0900hrs - 0900hrs	1,4

Detailed information on assessment tasks

1. Integrated Case Study (40% of the summative assessment marks for this unit).

This is the **third assessment** for APB4 and requires you to submit a 1500 word (+/-10%) integrated case study. You have been provided with a clinical scenario and areas on which to focus your integrated case study which can be found in the Integrated Case Study section on Blackboard. Each case study will be assessed according to the integrated case study rubric which can also be found in the assignment area of Blackboard. You will need to submit your work to Blackboard via Turnitin in a Word document. You will have access to your Turnitin word matching originality report when you submit your assessment. If you have not adequately paraphrased information you will see this reflected in the originality report. Please do not just look at the percentage score as there is no 'safe' % score. You must look at the report produced by Turnitin and the highlighted materials. You will have the opportunity to re-word your assessment task, if necessary, and resubmit prior to the due date and time. Therefore it would be beneficial to give yourself enough time to submit a draft through Turnitin prior to the due date and time. The last version of your assessment task that you submit is the one that will be marked. It is your responsibility to ensure you submit your draft as early as possible (before the due date) so that you have enough time to act on the Turnitin feedback report in order to meet Curtin University's Academic Integrity requirements. All assessment tasks submitted for assessment will be examined for adherence for Academic Integrity requirements. Instructions on the correct naming of electronic files are provided in the assessment folder.

This assessment is due before 2359hrs on Friday 28th October 2016 (Perth, Western Standard Time).

2. Tutorial Activity (30% of the summative assessment marks for this unit)

This is the **second assessment** for APB4 and is an on-line tutorial activity which relates to pregnancy (complicated and non complicated). Your task for this tutorial activity is to review and answer the questions as listed in the tutorial assessment section of Blackboard. Your work will be assessed according to the tutorial marking rubric, which can also be found in the assessment section of Blackboard. Information is to be presented in a Word Document and posted to the tutorial assessment submission link by with a maximum word count of 1000 words +/- 10% total for all questions. You will need to synthesise and analyse relevant information in order to demonstrate an understanding. Outcomes must include referencing to high quality journal articles and relevant high quality web resources or books. You will need to submit your work to Blackboard via Turnitin in a Word document. You will have access to your Turnitin word matching originality report when you submit your assessment. If you have not adequately paraphrased information you will see

this reflected in the originality report. Please do not just look at the percentage score as there is no 'safe' % score. You must look at the report produced by Turnitin and the highlighted materials. You will have the opportunity to re-word your assessment task, if necessary, and resubmit prior to the due date and time. Therefore it would be beneficial to give yourself enough time to submit a draft through Turnitin prior to the due date and time. The last version of your assessment task that you submit is the one that will be marked. It is your responsibility to ensure you submit your draft as early as possible (before the due date) so that you have enough time to act on the Turnitin feedback report in order to meet Curtin University's Academic Integrity requirements. All assessment tasks submitted for assessment will be examined for adherence for Academic Integrity requirements. Instructions on the correct naming of electronic files are provided in the assessment folder.

This assessment is due before 2359hrs on Monday 3rd October 2016 (Perth, Western Standard Time).

3. eTest 1 (15% of the summative assessment marks for this unit).

This is the **first assessment** for APB4 is and an eTest (online individual assessment) that will ask you questions about the content covered in the unit on-line lectures, readings and learning activities from Weeks 1 - 4. This assessment will comprise of 15 multiple choice questions in total with a total time of 20 minutes. More information about the eTest is available on Blackboard.

You will complete this assessment online through the Unit's Assessment section on Blackboard. This assessment will be open for an allocated period of time to allow you the opportunity to fit it into your own schedule and clinical placement. However once you have started the assessment you will have a total of 20 minutes in which to complete it and you are under examination conditions during completion of the eTest. You are able to attempt the test from any computer however it is your responsibility to ensure you have adequate equipment and internet connection to complete the assessment task.

This assessment task will be available from 0900hrs on Wednesday 7th September 2016 until 0900hrs Thursday 8th September 2016. (Perth, Western Standard Time). The eTest must be completed by 0900hours on Thursday 8th September 2016.

4. eTest 2 (15% of the summative assessment marks for this unit).

This is the **fourth assessment** for APB4 is and an eTest (online individual assessment) that will ask you questions about the content covered in the unit on-line lectures, readings and learning activities from Weeks 6 - 14. This assessment will comprise of 15 multiple choice questions in total with a total time of 20 minutes. More information about the eTest is available on Blackboard.

You will complete this assessment online through the Unit's Assessment section on Blackboard. This assessment will be open for an allocated period of time to allow you the opportunity to fit it into your own schedule and clinical placement. However once you have started the assessment you will have a total of 20 minutes in which to complete it and you are under examination conditions during completion of the eTest. You are able to attempt the test from any computer however it is your responsibility to ensure you have adequate equipment and internet connection to complete the assessment task.

This assessment task will be available from 0900hrs on Wednesday 16th November 2016 until 0900hrs Thursday 17th November 2016. (Perth, Western Standard Time). The eTest must be completed by 0900hours on Thursday 17th November 2016.

Pass requirements

Students must submit all pieces of assessment. Students must achieve an overall grade of 50% or greater to pass this unit. Students are expected to fully participate in all learning activities and complete online materials.

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/submitted 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.

Supplementary assessments

Supplementary assessments, if granted by the Board of Examiners, will have a due date or be held between 16/12/2016 and 16/12/2016. 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
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Additional information

Help and Resources

What to do if you are feeling lost or overwhelmed:

- Make an appointment with the Unit Coordinator as soon as possible. Your unit coordinator is more than happy to meet with you and discuss how you are progressing and offer support. Be sure to make an appointment as soon as a problem arises rather than let the problem escalate to the point you feel overwhelmed.
- If you need assistance with academic writing please contact the Learning Centre who will be able to help you with your written expression. This is a FREE service:
http://unilife.curtin.edu.au/learning_support/learning_centre.htm
- The Counselling Services Team offers FREE counselling to students who may need assistance: http://unilife.curtin.edu.au/health_wellbeing/counselling_services.htm

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 eesj@curtin.edu.au or go to http://eesj.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.
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Recent changes to this unit include:

Assessments and rubrics have been reviewed.

Program calendar

GMED3003 (APB4) Program Calendar – Semester 2, 2016

Week	Begin Date	Activities	Subject	Assessment Due
Orientation	25 July	Orientation Week Please read the Semester 2, 2016 unit outline which clarifies the purpose and structure of the unit, as well as the format of the assessments		
1.	1 August	Introduction to the Unit iLecture	Introduction to the Unit	
2.	8 August	MODULE 1 iLectures Directed readings Self-directed study and readings (Details on Blackboard)	Pregnancy (complicated and non-complicated)	
3.	15 August			
4.	22 August			
5.	29 August	Tuition Free Week		
6.	5 September	MODULE 2 iLectures Directed readings Self-directed study and readings (Details on Blackboard)	Hepatobiliary and gastrointestinal disorders	eTest 1 Wednesday - Thursday 0900 hrs 7th Sep 2016 – 0900hrs 8th Sep 2016 Must be completed by 0900hrs on 8 th Sep 2016
7.	12 September			
8.	19 September			
9.	26 September	Tuition Free Week		
10.	3 October	MODULE 3 iLectures Directed readings Self-directed study and readings (Details on Blackboard)	Haematological dysfunction Hyperbaric conditions	Tutorial Activity due 2359hours Monday 3 rd October 2016
11.	10 October			
12.	17 October			
13.	24 October	MODULE 4 iLectures Directed readings Self-directed study and readings (Details on Blackboard)	Renal and genitourinary disorders Sepsis	Integrated case study due 2359hrs Friday 28th October 2016
14.	31 October			

15.	7 November	Study Week	
16.	14 November	Examinations	eTest 2 Wednesday - Thursday 0900 hrs 16 th Nov 2016 – 0900hrs 17 th Nov 2016. Must be completed by 0900hrs 17 th Nov 2016
17.	21 November	Examinations	