BIOL10002 Biomolecules and Cells

Credit Points:	12.5		
Level:	1 (Undergraduate)		
Dates & Locations:	2015, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus.		
Time Commitment:	Contact Hours: 3 x one hour lectures per week, 1 hour per w hours of practical work per fortnight and 3 hours per week of learning tasks, pre and post laboratory activities. Total Time commitment of 170 hours	e-learning including ind	lependent
Prerequisites:	None		
Corequisites:	None		
Recommended Background Knowledge:	None		
Non Allowed Subjects:	Subject	Study Period Commencement:	Credit Points:
	BIOL10004 Biology of Cells and Organisms	Semester 1	12.50
Core Participation Requirements:	For the purposes of considering request for Reasonable Standards for Education (Cwth 2005), and Student Support a requirements for this subject are articulated in the Subject Or Assessment and Generic Skills sections of this entry. take all reasonable steps to minimise the impact of disability reasonable adjustments will be made to enhance a student's programs. Students who feel their disability may impact on m subject are encouraged to discuss this matter with a Faculty Equity and Disability Support:		

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have a basic knowledge of animal structure and function and organ systems including digestive, endocrine, nervous, immune, circulation, respiration, excretion and reproduction have a basic knowledge of stem cells and their therapeutic potential; # have a basic understanding of animal diversity, # understand the relationships between tissues and organs in the whole animal via lectures and laboratory-based activities; # appreciate how and why organisms are studied by taking part in laboratory-based learning activities; # have developed skills in laboratory procedures such as correct use of microscopes; recording observations; hypothesis testing; data analysis, presentation and interpretation. Assessment: a 20 minute, multiple choice test held mid-semester (5%); work related to practical classes during the semester with a combination of assessment of practical skills within the practical class, completion of 4 or 5 on-line pre-practical tests; written work within the practical not exceeding 500 words; and 4 or 5 short multiple choice tests (25%); completion of 5 Independe
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Learning Tasks throughout the semester (5%); a written assignment not exceeding 500 words (5%), a 3 hour examination on theory and practical work in the examination period (60%). Satisfactory completion of practical work is necessary to pass the subject (i.e. an 80% attendance at the practical classes together with a result for the assessed practical work of at least 50%).
Prescribed Texts: D Sadava, D M Hillis, H G Heller, M R Berenbaum, Life. 10th Ed. Sinaver/Freeman, 2013
Breadth Options: This subject is not available as a breadth subject.
Fees Information: Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills: At the completion of this subject, students should:
be able to critically assess and assimilate new knowledge;
to use these skills to solve problems;
be able to complete basic manipulations with laboratory equipment, and dissection
techniques. # develop skills in recording observations, analysis and interpretation of data,
be able to work in small groups
Notes: This subject is only available to students enrolled in the Bachelor of Biomedicine.
This subject involves the use of animals that form an essential part of the learning objectives for this subject. Please note: There are some non-dissection alternatives for those who have stror philosophical objections and these and other alternatives can be discussed with the subject coordinator.
Required Equipment - Laboratory coat.
B-BMED students who fail this subject with a mark of 45-49%, who do not fail any other subject in the same semester may be eligible for a progression supplementary exam for this subject in line with the Assessment Procedure (https://policy.unimelb.edu.au/MPF1026) (point 15). Students will be contacted via email by the University Results final release date if they are eligible.
Related Course(s): Bachelor of Biomedicine

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