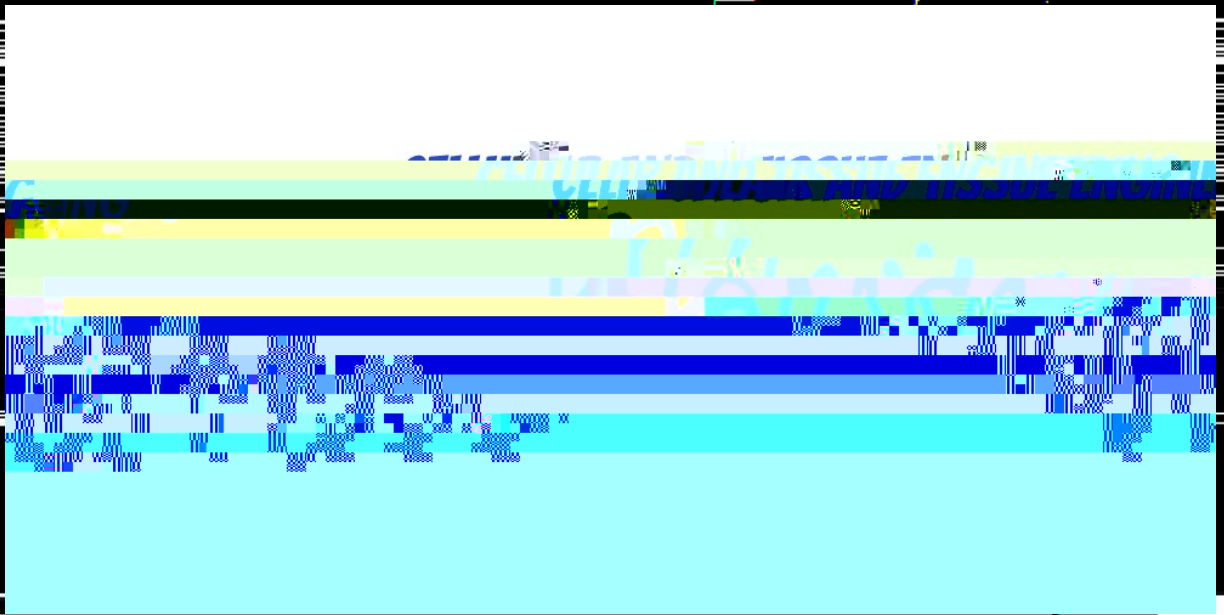


BIOM9333

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HYTa ~ Z&\$&%



Course Overview

Staff Contact Details

Convenors

B Ua Y	9a Uj`	5j Uj`UVj`]m	@cWjh]cb	D\cbY
A Y[Ub`@cfX	a "cfX4 i bgk "YXi "Ui	VmiUddc]bha Ybh	F cca `) \$) ž @Yj Y`) GUa i Y`g 6i]X]b[Ž *%&- ' ,)' -%\$

School Contact Information

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: YYXVUW_]g'Ub'ja dcfhUbhHYUW]b['ghfUH[[mi h]gYX']b' h']g'Vēi fgY" : bghUbhZYXVUW_]g'dfcj]XYX'Xi f]b[h'Y'UW]j]hYg'UbX'Yggcbg'k \]Y'ZYXVUW_ cb'UggYgga YbhUg_g'k]'VY'dfcj]XYX'k]h']b' &k YY_g'k]h' XYHU]YX'a Uf_]b[' [i]XYg'dfcj]XYX'hc'Ugg]ghmci ']b'i bXYfghUbX]b['mci f'YUfb]b['dfc[fYgg" : b'UXX]h]cbž k YY_mE i Ygh]cb'UbX'5bgk Yf'fE / 5E'gYgg]cbg'Xi f]b['h'Y'k cf_g'cdg'k]'Ugg]ghk]h'YUfb]b["

Additional Course Information

@Yggcbg'UFY'Vēa d'YHYX']b'mci f'ck b'h]a Y'k \]Y'h'Y'k cf_g'cdg'UFY'\Y'X'Xi f]b['WUgg'h]a Y'hc'Vēbgc']XUH' mci f'i bXYfghUbX]b['cZh'Y'Yggcbgž'fYW]j Y'\Y'd'hc'Vēa d'YHY'h'Y'UW]j]hYg'UbX'k cf_'cb'h'Y'h'Y'Ua 'a U'cf dfc'YW'

Assessment

Students who perform poorly in the weekly progress tasks are recommended to the Course Convenor during the term.

The final grade for this course will normally be based on the sum of the assessment tasks. The Course Convenor reserves the right to adjust the final grade by the Head of School.

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Assessment task	Weight	Due Date	Course Learning Outcomes Assessed
Week 1: Introduction to the course	10%	Monday, 1st October 2021	LO1, LO2
Week 2: The cell and its components	10%	Monday, 8th October 2021	LO1, LO2, LO3
Week 3: Metabolism and energy	10%	Monday, 15th October 2021	LO1, LO2, LO3, LO4
Week 4: Cell signaling and communication	10%	Monday, 22nd October 2021	LO1, LO2, LO3, LO4, LO5
Week 5: The immune system	10%	Monday, 29th October 2021	LO1, LO2, LO3, LO4, LO5, LO6
Week 6: Development and differentiation	10%	Monday, 5th November 2021	LO1, LO2, LO3, LO4, LO5, LO6, LO7

Assessment 1: Weekly Progress

Due date: Monday, 1st October 2021

Assessment 1: Weekly Progress. This assessment consists of weekly progress tasks that assess your understanding of the course content. The tasks are designed to be completed over the course of the semester.

Students who perform poorly in the weekly progress tasks are recommended to the Course Convenor during the term.

Assessment 2: Individual Tasks

Due date: Monday, 1st October 2021

Assessment Outline: This is a formative assessment designed to assess your understanding of the course content. It is a multiple-choice test consisting of 20 questions. The questions cover the material from the first three weeks of the course. The assessment is due on the 15th of October 2021. The assessment is available on Canvas from 9am on the 15th of October 2021 to 11pm on the 15th of October 2021. The assessment is available for 24 hours. The assessment is available for 24 hours. The assessment is available for 24 hours.

Assessment 3: Quizzes

Due date: Friday, 15 October 2021, 11:59pm

Assessment outline:

Mid-term Quiz: This is a formative assessment designed to assess your understanding of the course content. It is a multiple-choice test consisting of 20 questions. The questions cover the material from the first three weeks of the course. The assessment is due on the 15th of October 2021. The assessment is available on Canvas from 9am on the 15th of October 2021 to 11pm on the 15th of October 2021. The assessment is available for 24 hours. The assessment is available for 24 hours. The assessment is available for 24 hours.

Final Exam: This is a summative assessment designed to assess your understanding of the course content. It is a multiple-choice test consisting of 20 questions. The questions cover the material from the first three weeks of the course. The assessment is due on the 15th of October 2021. The assessment is available on Canvas from 9am on the 15th of October 2021 to 11pm on the 15th of October 2021. The assessment is available for 24 hours. The assessment is available for 24 hours. The assessment is available for 24 hours.

Assessment 4: Major Project (Group)

Due date: Friday, 15 October 2021, 11:59pm

Assessment outline: This is a formative assessment designed to assess your understanding of the course content. It is a multiple-choice test consisting of 20 questions. The questions cover the material from the first three weeks of the course. The assessment is due on the 15th of October 2021. The assessment is available on Canvas from 9am on the 15th of October 2021 to 11pm on the 15th of October 2021. The assessment is available for 24 hours. The assessment is available for 24 hours. The assessment is available for 24 hours.

Assessment 5: Peer review

Due date: Friday, 15 October 2021, 11:59pm

Assessment outline: This is a formative assessment designed to assess your understanding of the course content. It is a multiple-choice test consisting of 20 questions. The questions cover the material from the first three weeks of the course. The assessment is due on the 15th of October 2021. The assessment is available on Canvas from 9am on the 15th of October 2021 to 11pm on the 15th of October 2021. The assessment is available for 24 hours. The assessment is available for 24 hours. The assessment is available for 24 hours.

Attendance Requirements

Gh XYbtg'UFY'gfbcb['mYbWci fU[YX'hc' Wca d'YH' hAY' Yggcbg']b' hAY]f'ck b' hja Y' UbX' UHbX' hAY' k cf_g\cdg YUWX' k YY_ "

Course Schedule

[J.Yk.WUgg'ha YhUV.Y](#)

Timetable

Date	Type	Content
K YY_% '% 'GYdhYa VYf ! '%+ 'GYdhYa VYf	Hcd]W	Principles of Tissue engineering and regenerative medicine (TERM) I
	A cXi`Y	7 ca d`YH'`@Yggcb`%`]b`A ccX`Y`]b`mci f`ck b`hja Y`
	K cf_g\cd	5 hYbX`WUgg`hc`YI dYf]YbW. %`7 ci fgY` b`hfcXi`W]cb &`7 cbgc`XU]cb`cZ`@Yggcb`% '`5W]j`]mi% (`E / 5
	5ggYgga Ybh	7 ca d`YH'`hAY`Zc`ck]b[`VmGi bXUm%%)) `da `cb A ccX`Y. %`K YY_`mdfc[fYgg`ei]n`Zcf`@Yggcb`%`f%a` ` &`K YY_`mdfc[fYgg`ei]n`Zcf`5W]j`]mi`fi` `
K YY_&.`&\$`GYdhYa VYf !`&(`GYdhYa VYf	Hcd]W	Principles of TERM II
	A cXi`Y	7 ca d`YH'`@Yggcb`&`]b`A ccX`Y`]b`mci f`ck b`hja Y`
	K cf_g\cd	5 hYbX`WUgg`hc`YI dYf]YbW. %`7 cbgc`XU]cb`cZ`@Yggcb`& &`5W]j`]mi& '`E / 5
	5ggYgga Ybh	7 ca d`YH'`hAY`Zc`ck]b[`VmGi bXUm%%)) `da `cb A ccX`Y. %`K YY_`mdfc[fYgg`ei]n`Zcf`@Yggcb`&`f%a` ` &`K YY_`mdfc[fYgg`ei]n`Zcf`5W]j`]mi`fi` `
K YY_`"`.`&+`GYdhYa VYf	Hcd]W	Principles of TERM III

	5ggYgga Ybh	<p>7ca d`YHY`h\Y`Zc`ck]b[`VmGi bXUm%%)) `da `cb A ccX`Y.</p> <p>%"6]cdfcVWgg]b[`HUG_`f%\$i Ł &"A U`cf`Dfc`YVh`DYYf`F`Yj`]Yk`if) Ł ' "A U`cf`Dfc`YVh; fci d`7 cbhf]Vi h]cb F YZYW]cb`f% / [fci d`hUg_Ł</p>
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Resources

Recommended Resources

- 5'g\cfh[i]XY'hc'k f]hb['UVci hV]c'c[mž['cVU''YX]h]cb'Vm>Ub'DYWXyb]"

Course Evaluation and Development

Gh XYbhZYXVUW_\Ug'\Y'dYX'hc'g\UdY'UbX'XYj Y'cd'h.]g'Wci fgYž]bWi X]b['ZYXVUW_cVHU]bYX'Zca'cb!]bY'Yj U'i Uh]cbg'Ug'dUfhcZa m9I dYf]YbW"

H\Y'Wci fgY'i bXYfk YbhU'a U'cf'fYj]g]cb']b'&\$&\$'k]h'WXUb[Yg']bWi X]b['fYcfXYf]b['cZhY'WcbHbh XY']j YfYXž'fYj]g]cb'hc'h\Y'Wci fgY'WcbHbhUbX']bWi g]cb'cZa U'cf'dfc'YWhgYgg]cbg'hc'Ugg]ghk]h'h\Y'h]a Y'm UbX'ZcW'gYX'XYj Y'cda Ybh'cZhY'a U'cf'dfc'YWh': cf'h\Y'Z]fgh]a Yž'U''Wci fgY'WcbHbh]g'XYg][bYX'Zc'f'cb']bY UWW'gg'k]h']bgHUbhZYXVUW_]bW'f'c'f'U'h'X']bhc'U''Yggcbg'UbX'UW]j]h]Yg": i fh'Yf'XYj Y'cda Ybh]cZ&\$&% \Uj Y']bWi XYX'fYj]g]cb'cZhY'Wci fgY'WcbHbhUbX'UggYgga Ybh]UbX'dfcj]g]cbg'hc'Ug_'Ubcba ci g ei Ygh]cbg'k \]W'k]''VY'fYgdcBXYX'hc']b'h\Y'8]gW'gg]cb'Zc'f' a']b'A]W'cg'ZiHYUa g"

DfYj]ci g'gh XYbh]]b'h\Y'WUgg'dfcj]XYX'ZYXVUW_]bWi X]b['**Very interesting course and well**

Submission of Assessment Tasks

@UVcfUhcfmifYdcfhg`UbX`a U`cf`Ugg][ba Ybhg`k]`fYei]fY`U`[Bcb`D`U\[\]Uf\]ga`8YWUfU\]cb`7cj`Yf`G`YYh`](#)

@UH`gi Va]gg]cbg`k]`VY`dYbU`]gYX`%\$i`cZ`h`Y`a Uf`_`Zcf`YUW`WJ`YbXUf`XUm`UH`" `Z`mci`ZcfYgYY`U`dfcV`Ya]b`a`YYh]b[`h`Y`bca]bUH`X`gi Va]gg]cb`XUH`d`YUgY`W`b`h`U`W`h`h`Y`7`ci`fgY`7`cbj`Ybcf`h`a`U`_`Y`Ub`Uddc]bha`Ybh`h`X]gW`gg`mci`f`g]h`U]cb`Ug`gccb`Ug`dcgg]V`Y"

Academic Honesty and Plagiarism

PLAGIARISM

6Yk UFY"5b"Ugg][ba YbhUUh]bWl XYg'd'U[]Uf]gYX'a UHf]U"K]"fYW]j Y'U"\$i : U]žUbX'gh XYbtg'k \c d'U[]Uf]gY'a UmZ]j"ħY'WŁi fgY"Gh XYbtg'k \c d'U[]Uf]gY'k]"Uj Y'ħY]f'bUa Yg'YbHYfYX'cb'U'd'U[]Uf]ga fY[]ghf'UbX'k]"VY"UV'Y'hc'X]gW]d']bUfmUW]cbž]bWl X]b['Yl Wl g]cb'Zca 'Ybfc'a Ybh'" #]g'Yl dYWYX'ħUUhU"gh XYbtg'a i ghUhU"ħa Yg'gi Va]hħY]f'ck b'k cf_'Zcf'UggYgga Ybh'Gi Va]h]b['ħY k cf_'cf']XYUg'cZgca YcbY'Y'gY'k]ħci hWYUfmUW_bck 'YX[]b['ħY'gci fW'cZVcffck YX'a UHf]U'cf']XYUg']g d'U[]Uf]ga "

5"UggYgga Ybtg'k \]W' mci 'Ubx']b'a i gh\Uj Y'U' [Bcb'D'U\[\]Uf\]ga '8YWUfUħcb'7cj Yf'G\YYh](#)"H\]g']g'Zcf Vch']bX]]Xi U'Ubx' [fci d'k cf_"5hUW]hħ' mci f'Ugg][ba YbhVYZcfY'gi Va]h]b[']hħ'ħY'7ci fgY 7ccfX]bUħcf'cf'UħħY'GVXcc'`C Z]W"

D'U[]Uf]ga ']g'ħY'i gY'cZUbchYf'dYfgcb'g'k cf_'cf']XYUg'Ug']ZħYmik YfY' mci f'ck b"K \Yb']h]g' bYW'ggUfmicf XYg]fUV'Y'hc'i gY'chYf'dYcd'Y'g'a UHf]U' mci 'g'aci 'X'UXYei UH' mUW_bck 'YX[Y'k \cgY'k cfXg'cf']XYUg'ħYm

Academic Information

COURSE EVALUATION AND DEVELOPMENT

Gh XYbhZYXVUW_\Ug\YdYX'hc'g\UdY'UbX'XYj Y'cd'h\]g'Wci fgYz]bWi X]b['ZYXVUW_cVHU]bYX'Zca'cb!
]bY'Yj U'i Uhcbg'Ug'dUfhcZI BGK 'g'Ug'dUfhcZI BGK 'g'a m9I dYf]YbW'dfcW'gg"Mc'i 'UfY'\][\`m
YbWci fU[YX'hc'Wca d'YH'gi W\ 'Ub'cb!]bY'Yj U'i Uhcb'hck UfX'hY'YbX'cZHYfa "': YYXVUW_UbX'gi [[Ygh]cbg
dfcj]XYX'k]`VY'ja dcfhUbh]b]ja dfcj]b['hY'Wci fgY'Zf'Z hi fY'gh XYbng"

DATES TO NOTE

FYZf'hc'A m BGK 'Zcf'a dcfhUbh8UH'gZ'Uj U]UV'Y'Uh
[\hdg.#a m'i bgk "YXi "Ui #gh XYbh#Ygci fW'g#? Ym8UH'g"\ha`](#)

ACADEMIC ADVICE

: cf]bZcfa Uhcb'UVci h

- ""Bch'g'cb'UggYgga Ybng'UbX'd'U[]Uf]ga ž
- ""GdYW]U"7 cbg]XYfUh]cbgž
- ""GWcc`Gh XYbh9h]Vg'C Z]Wfz'UbX
- ""69GG

fYZf'hc'hY'GWcc`k YVg]H'Uj U]UV'Y'Uh

Appendix: Engineers Australia (EA) Professional Standard

Program Intended Learning Outcomes	
? bck `YX[Y`UbX`g_]`VUgY	
D9%"%7 ca dfY\Ybg]j YžhYcfmVUgYX`i bXYfghUbX]b[`cZhY`i bXYfd]bb]b[`bUh fU`UbX d\mg]WU`gWYbWg`UbX`hY`Yb[]bYYf]b[`Z bXUa YbH`g`Udd`]WUV`Y`hc`hY`Yb[]bYYf]b[`X]gWd`]bY	
D9%"&7 cbWdh U`i bXYfghUbX]b[`cZhY`a UhYa Uh]Wgžbi a Yf]WU`UbU`mg]gžghUhgh]WgžUbX Wca di hYf`UbX`]bZcfa Uhcb`gWYbWg`k \]W`i bXYfd]b`hY`Yb[]bYYf]b[`X]gWd`]bY	
D9%" " `b!XYdh`i bXYfghUbX]b[`cZgdYWU`]ghVcX]Yg`cZ`bck `YX[Y`k]h]b`hY`Yb[]bYYf]b[`X]gWd`]bY	
D9%"(" `8]gWfba YbhcZ`_bck `YX[Y`XYj Y`cda YbhUbX`fYgYUfW`X]fYW]cbg`k]h]b`hY`Yb[]bYYf]b[`X]gWd`]bY	
D9%"() ? bck `YX[Y`cZYb[]bYYf]b[`XYg][b`dfUW]W`UbX`WcbhYi h U`ZUWc`fg]a dUW]b[`hY`Yb[]bYYf]b[`X]gWd`]bY	
D9%"* `i bXYfghUbX]b[`cZhY`gWcdYždf]bW]d`Ygžbcfa gžUW]ci bHUV]`]hYg`UbX`Vci bXg`cZ gi gh]bUV`Y`Yb[]bYYf]b[`dfUW]W`]b`hY`gdYW]ZWX]gWd`]bY	
9b[]bYYf]b[`Udd`]W]h]cb`UV`]jm	
D9%"%5dd`]W]h]cb`cZYghUV]g\YX`Yb[]bYYf]b[`a YhXcXg`hc`Wca d`Yi`Yb[]bYYf]b[`dfcV`Ya gc`]b[
D9%"&: `i YbhUdd`]W]h]cb`cZYb[]bYYf]b[`hYW]b]ei Ygžhc`g`UbX`fYgci fW]g	
D9%" " `5dd`]W]h]cb`cZgmg]Ya Uh]WYb[]bYYf]b[`gmbhYg]g`UbX`XYg][b`dfcW]ggYg	
D9%"(" `5dd`]W]h]cb`cZgmg]Ya Uh]WUddfcUW]Yg`hc`hY`WcbXi W]UbX`a UbU[Ya YbhcZYb[]bYYf]b[`dfc`YW]g	
DfcZYgg]cbU`UbX`dYfgcbU`Uhf]Vi hYg	
D9'" "%9h]W]`WcbXi W]UbX`dfcZYgg]cbU`UW]ci bHUV`]`jm	
D9'" "&9ZYW]j Y`cfU`UbX`k f]hYb`Wca a i b]W]h]cb`]b`dfcZYgg]cbU`UbX`UmXca U]bg	
D9'" " `7fYUh]j Yž]bbcj Uh]j Y`UbX`dfc!UW]j Y`XYa YUbcif	
D9'" (" `DfcZYgg]cbU`i gY`UbX`a UbU[Ya YbhcZ]bZcfa Uh]cb	
D9'" (" `C`fXYfma UbU[Ya YbhcZgY`Zi`UbX`dfcZYgg]cbU`WcbXi W]h	
D9'" "*" `9ZYW]j Y`hYUa `a Ya VYfg\]d`UbX`hYUa ``YUXYfg\]d	