

FACULTY OF SCIENCE

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BAB 1201

EC E , CE & E E

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2020

COURSE OUTLINE

#! !

Welcome to BABS1201 Molecules, Cells and Genes

*456&789:6; &<5=6&>8&5?>:8@97; &A89&>8&>4; &B<657&78?7; C>6&8D& = 8@; :.?&B:8E8FAG&<?@&>8&
@; H; E8C&A89:&6I5EE6&5?&675; ?>5D57&<?<EA656&<?@&7:5>57<E&>45? I5?F&J&6I5EE6&>4<>&K5EE&B; &96; D9E&
5?&675; ?7; &<?@&8>4; :&7<:; ;:6L&

&

*4; &789:6; &78?656>6&8D&B8>4&5?@; C; ?@; ?>&<?@&E5H; &7E<66; 6L&

&

/EE&>4; &5?@; C; ?@; ?>&<7>5H5>5; 6&<:; &C:8H5@; @&8?& 1 88@E; G&C:; 6; ?>; @&5?&<&K; ; IMBAMK; ; I&
6>:97>9:; L& *8&I; ; C&9C&>8&@<>; &K5>4&>4; &E; 7>9:; 6G&A89&7<?&@8K?E8<@&>4; &E; 7>9:; 6&?8>; 6&
N<EE&9CE8<@; @&5?&<@H<?7; 0&<?@&E56>; ?&8&>4; &:; 78:@5?F6&8?7; 6&9CE8<@; @L&*4; 6; &E; 7>9:; 6&

QUICK ANSWERS TO BABS1201 FAQs

GENERAL

& I have a question about the course. Where do I find the answer?

"%!

Hi !

& I missed the mid-term exam. What should I do?

V5!8'0! .)--!+, 3! .)?Y+3F . !3D/ . !?03!+! !)*3--! 'F! - ' . 3! '+, 3F!0*/L')?/4!3!6)F60 . -+/*63!+, /+!6/*!43!
3D7!/) *3?!)0-)*C!7F'53--)'*/!?'60 . 3*+/*) '*!K3%C%!/! . 3?)6/!63F+5)6/+3MP!8'0!-, '0!?!/77!8!5'F!<736)/!
9' * -)?3F/+)'*!'*)*3!K-33! "#\$%&'!5'F!) *-+F06+)' *-M%!!O'0!B)!43! '*'+5)3?! '5!+, 3! '0+6' . 3! '5!8'OF!
/77!6/+)'*!435'F3!+, 3!3*?! '5!+3F . !+, F'OC, ! . 82Q<N!/*?A'F!8'OF!2Q<N!3 . /)!/66'0*+#!

& I could not submit my assessment on time. What should I do?

V5!8'0!6/* * '+!-04 .)+!8'OF!3--/8!'F!7F/6+6/!F37'F+!48!+, 3! ?03! ?/+3! ?03!+! !)*3--! 'F! / *!0*/L')?/4!3!
6)F60 . -+/*63!+, /+!6/*!43!3D7!/) *3?!)0-)*C!7F'53--)'*/!?'60 . 3*+/*) '*!K3%C%!/! . 3?)6/!63F+5)6/+3MP!
8'0!-, '0!?!/77!8!5'F!<736)/!9' * -)?3F/+)'*!'*)*3!K-33! "#\$%&'!5'F!) *-+F06+)' *-M! / *?! -04 .)+!+, 3!
/-3-- . 3*+!)+3 . !#(!()) *!#(!") ((+, -%!!O'0!B)!43! '*'+5)3?! '5!+, 3! '0+6' . 3! '5!8'OF! /77!6/+)'*!435'F3!
+, 3!3*?! '5!+3F . !+, F'OC, ! . 82Q<N!/*?A'F!8'OF! 2Q<N!3 . /)! /66'0*+#! V5!8'0! ?!' * '+! -04 .)+! / *!
/-3-- . 3*+!)+3 . !48!+, 3!-04 .)--)'*! ?3/?!) *3! / *?!8'0! ?!' * '+! , /L3!/!L/!)?!3D60-3P!+, 3! /77F'7F)/+3!
1/+3!73* /+3-!B)!43! /77!3?!+ '8'OF!5)'*/! . /F(!5'F!+, /+! / -3-- . 3*+!)+3 . %!

& I missed (or was sick during) the final exam. What should I do?

V5!8'0! .)--!+, 3!5)' /! 3D/ . !?03!+! !)*3--! 'F! - ' . 3! '+, 3F!0*/L')?/4!3!6)F60 . -+/*63!+, /+!6/*!43!
3D7!/) *3?!)0-)*C!7F'53--)'*/!?'60 . 3*+/*) '*!K3%C%!/! . 3?)6/!63F+5)6/+3MP!8'0!-, '0!?!/77!8!5'F!<736)/!
9' * -)?3F/+)'*!'*)*3!K-33! "#\$%&' 'F!) *-+F06+)' *-M%!!V5!8'0!B!3F3!-6(!Z2UVQ [!+, 3!3D/ . P!8'0!-, '0!?!
'4+/'*! /! . 3?)6/!63F+5)6/+3!)*! / () -188(5))-11(+!) 000 42.6378625.8765T 4 6-2!- 5) T&H!K 4 !T [(' 4+)-2(/) 4 .) 2

BABS1201 Weekly Class and Assessment Schedule – T3, 2020

	D		(/ @10 /2)	A & activities
1	5M'4"0'	5P'3 - 345(65'Q'AH3'R'S ! ' I E 14 , 12 (P'4\$+ " .2+T+\$#2"1; 2*1" 'Q'AH3' 8P'4\$+ " .2+T+\$' \$%&& * .+\$; 2+% . 'Q'S ! ')	Q'	-'
2	(5'4"0'	MP'H:T" 'Q'AH3' >P' : "#/'?'U'AH3' @P' : "#/'??'Q'AH3'	N" ; #2='R'4 ; T"29'	<i>Scientific literature lesson</i>
3	(C'4"0'	BP' L ; \$1%&%"\$*#" /'?'V : NW'R'T; 2/X'Q'AH3'' CP' L ; \$1%&%"\$*#" /'??'V I 1%2" +. /X'Q'AH3' EP' L ; \$1%&%"\$*#" /'???'VYZ -X'AH3'	: "#'421*\$2*1''	1 (1%)

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C	C	3 - 345(65'
C		L%#" \$*#" /_': "#/'R'F" . "/'
A		4\$=%%#'%T' 3+%2" \$=. %%%J9'; .<'3+%&%#" \$*#; 1'4\$+ ". \$" /'
	C	7+1/2' ` " ; 1'a .<" 1J1; <* ; 2"
	C	!
A	C - '	Z+#'
H		@'
		56'0" " , /'
C	C	D B " ^

Course Resources

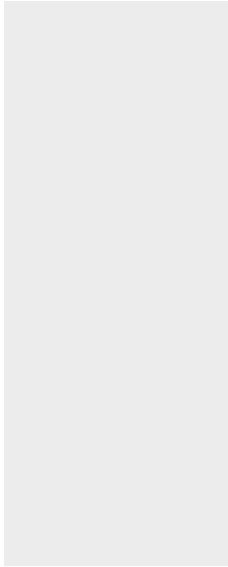
!
5%6) 4 4%* 0%0!
7%3.,) 8!

!
U3363P!^/*3! : %P!Q ' 3! > 383F-P!&)-/! ; %!2FF8P! >)6, /3!&%!9/)*P!<+3L3*! ; %!N / --3F . / *P!
E3+3F!_%! >)* ' F-(8P!U ' 43F+! : %!^/6(- ' *P! : 3F*/F?!9 ' ' (3P!/*?!Q3)! ; %!9/ . 743!%!= "R!

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Course Assessment Schedule & Summary			
	D;+%2!E%(6;+ ".+) *!!	E : %!E#.%! 	!
	e *!) *3! GO)WW3-! /F3! ?3-)C*3?! +'! 7F'L)?3! 8' 0! B)+, ! 5'F . /+)L3! 533?4/6(! ' *!, ' B!8' 0!/F3!7F' CF3- -)*C!)*!+, 3!6' OF-3%! I /6, !+/- (!)-! /!-, ' F+!GO)W!B' F+, !" k !' 5!8' OF!5)* /! /--3-- . 3*+!5' F!+, 3!6' OF-3%!!	!	! " !



Course Themes

S, 3!6 'OF-3P!> '1360!3-P!93!|-!/*?! [3*3-!3*6' . 7/- -3-!5'OF! . /X'F!+, 3 . 3-!S, 3-3!+, 3 . 3-!/F3!*'+!7F3-3*+3?!)*!+OF*P!40+!F/+ , 3F!B)!!43!7F3-3*+3?!)*!/*!)*+3CF/+3?!5/- ,)' *%!!

!
7/% 4%!&>!!
7/+* 8+* \$!
+8%!#!
(6+%* .+(!

S,)-!+, 3 . 3!)*+F' ?063-!+, 3!- ()!|-! '5!-6)3*+5)6!+,)*() *CP!) *6!0?) *C!, ' B!+ ' !?36)?3!B , /+!)-!+F03! ' F!
7! /0-)4!3P! / *?! , ' B! -6)3*+)-+!6' . . 0*)6/+3%!V+! /!- ' !3D7' -3-!8' 0!+ ' !60+)*C!3?C3!F3-3/F6 , !
43)*C!6' *?06+3?!/+!2Q<N%!!
&36+OF3-! / *?!7F/6+6/!6! / - -3-! ' *!+,)-!+, 3 . 3! /F3!)*+3F-73F-3?!+, F' OC , !+, 3!+3F . P!3* /4!)*C!
8' 0@
! S' !6' . 7F3, 3*?!+, /+!-6)3*63!)-! /!*3L3F3*?) *C!3D7! ' F/+)' *P! / *?!+, /+! (* ' B!3?C3!)-!
7F' L)-)' * /!%!

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Course Structure

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S,)-!6' . 7' *3*+'!5!+,)-!6' OF-3!)-! ?3-)C*3?!/ -!/*!3D7! 'F/+)' *!' 5!63!1!-+F06+OF3!/*?!50*6+' *P!
/*?!'5!+, 3!C3*3+6! . /+3F)/!'5!+, ' -3!63!1-!%!(+!)-!?)L)?3?!) *+'!+, F33!-3G03*63-!' 5!7F/6+6/1-!
+, /+!/F3!1)* (3?!+!'!+, 3!136+OF3!-3F)3-0!!

- o! i 3/!+, !/*?!- /53+8!
- o! !D7! 'F)*C!63!1!-+F06+OF3-!!
- o! !D7! 'F)*C!63!1!50*6+' * -!!
- o! !D7! 'F)*C!C3*3-!

S, 3F3!/F3!/) . -!5' F!3/6, !)*?)L)?0/!049203*3-

&

UNSW Science Graduate Attributes Developed in this Course		
=6+%*6%!Q;#0:#.%! G..;+, :.%(!	0 = no focus 1 = minimal 2 = minor 3 = major!	G6.+R+.+%(!?!G((%((4%*.!
U3-3/F6,P!) *G0)F8!/ *?! / * /18+)6/1!+,) * (*C! /4!)3-!	\$!	[0)?3?!1/4 'F/+ 'F8!7F/6+)6/1-m!) *?373*?3*+! / *?!6' 11/4 'F/+)L3! 1/4!F3-3/F6,m! / *?!)*?373*?3*+!F3-3/F6,%
9/7/4!)8! / *?! . '+)L/+) ' *!5' F!) *+3!136+0/1! ?3L3! '7 . 3*+!	\$!	< . /11!CF' 07!?) -60--)' * -m!3-- /8! / *?!7F' X36+!7F3-3*+ /+) ' *%! <6)3*63!6' . . 0*)6/+) ' *!+ ' 7)6-! . /8! / ??F3--! -' . 3! ' 5!+, 3! 3+,)6/! / *?! - ' 6) / !!) -- 03-! ' 5!4) ' 1' C8P! / *?!+, 3!b, ' B!+ ' !+,) * (! 1)(3! / !-6)3*+)-td!+, 3 . 3!+, F' 0C, ' 0!+, 3!6 ' 0F-3! / ??F3--3-! 7F ' 53--)' * /!0*?3F-+ / *?) *C%!!
I+,)6/1P! - ' 6) / !! / *?! 7F ' 53--)' * / !! 0*?3F-+ / *?) *C!	#!	<6)3*63!6' . . 0*)6/+) ' *!+ ' 7)6-! . /8! / ??F3--! -' . 3! ' 5!+, 3! 3+,)6/! / *?! - ' 6) / !!) -- 03-! ' 5!4) ' 1' C8P! / *?!+, 3!b, ' B!+ ' !+,) * (! 1)(3! / !-6)3*+)-td!+, 3 . 3!+, F' 0C, ' 0!+, 3!6 ' 0F-3! / ??F3--3-! 7F ' 53--)' * /!0*?3F-+ / *?) *C%!!

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Lecture Program

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L*.;) 0:6:* \$!
DGD=&NT&!

V*!+,)-!(36+0F3!8 ' 0!B)!!! . 33+!8 ' 0F!6 ' ' F?) /+ ' F-P!F363)L3!)*5 ' F . /+)' *!' *!+, 3!
6 ' 0F-3!-+F06+0F3P!3D736+/'+' * -P! / --3-- . 3*+! / *?!7F ' 63?0F3-%!

=6+%* .+2+6!C+.%;# . : ;%!

&e " ! I D7! /) * ! + , 3!70F7 ' -3! ' 5! / ! -6)3*+5)6!X ' OF* / !!
&e#!V?3*+)58! / !7F) . /F8! / F+6!3! / *?!!) -+!) + -!53 / +0F3 -!
&e\$! I D7! /) * ! + , 3!?)553F3*63-!43+B33*!7F) . /F8! / *?! -36' *? / F8! - ' 0F63-! ' 5!
-6)3*+5)6!)+3F / +0F3!
&eH!Z3-6F)43!+, 3!+3F . !f733F!F3L)3Bq! / -!) + ! / 77!)3-!+ ' ! -6)3*+5)6!)+3F / +0F3!

B%.# ,)-(4 !LL>!
F3.;#6.+*\$!%*%;\$1!
2;) 4!2))0!

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=1*./%+(+*\$!2))0!
2;) 4!%*%;\$1!

&e"!Z3-6F)43!+,3!6/+ /4'!) - .!'5!?)553F3*+! . /6F' . '1360!3-%!
&e#!Z3-6F)43!+,3!63*+F/!53 /+OF3-!'5!C!86'!8-)-P!+,3!S9 ;!686!3! / *?!'D)? /+)L3!
7, '-7, 'F8! /+) '*%!

&e\$! I D7! /) *!+,3!7F'63--!'5!6,3 .)' - . ' -)-%!
&eH!9' . 7/F3!+,3!/?L/ *+/C3-! / *?!?) - /?L/ *+/C3-!'5!53F . 3*+ /+) '*! / *?!
/3F'4)6!F3-7)F /+) '*%!

&eR! I D7! /) *!+,3!6' *+F'!'!'5!63!'0! /F!F3-7)F /+) '*!L) /!533?4/6(%!

&e"!S'!3D7! /) *!+,3!50*6+) '*-!'5!+,3!?)553F3*+! -+ /C3-!) *!7, '+ '-8*+,3-)-m!)C, +!
, /FL3-+) *C!+,3!6' *L3F-) '*!'5!)C, +!3*3FC8!) *+!'!6,3 .)6 /!13*3FC8! / *?!6 /F4' *!

Administrative Matters	
F3"%6.#.+)*(!)2! =.:0%*.(!	;!7/--!)!*!: ; < "#=#!)!-16' *?)+' * /!07' *! /!- /+)-5/6+' F8!73F5' F . / *63!) *!4 '+, ! +,3! /--3-- . 3*+! / *?!!)L3!7F' CF/ . -%! N3!3D736+!+, /+!8' 0!B!)!!, /L3! o! ;+3 . 7+3?A-04 .)+3?! /!1! /--3-- . 3*+!)3 . -%! o! ;+3*?3?! /!1! ' 5!+, 3!!)L3!1/4' F/+ ' F8!6! /--3-!K/ *! /+3*? / *63!F36' F?!)-! (37+MP! /6+)L3!8!7 /F+)6)7/+3?P! / *?! (37+! / *!07Y+ ' Y? /+3!9' OF-3! > / *0 /!%! h' F! . ' F3! ?3+ /)!-! ' *! 2Q<N! 6! /--! /+3*? / *63! 7'!)6)3-P! 7!3 /-3! F353F! + ' 0!! , +7- @AA-+0?3*+0* -B%3?0% /OA /+3*? / *63!
G((+\$* 4%*.! =: , 4+(+) * (!	U3G0)F3 . 3*+! L/F8! B)+, ! 3/6, ! /--)C*3?! +/- (%! ;!1!) *5' F . /+)' *! F3C/F?) *C! -04 .)--)' * -!) -!3D7!/) *3?! *!+,)-! . / *0 /!P!48!8' OF!7F/6+)6 /!16! /--! ?3 . ' * -+ /+ ' F! / *?! ' *!) *3!L) /! > ' ' ?!3! / * * ' 0*63 . 3*+-%!
F [:+.1!#* 0!E+R%; (+.1!	S, ' -3!-+0?3*+!B, '!, /L3! /!?) - /4!)!+8!+, /+!F3G0)F3-!- ' . 3! / ?%0-+ . 3*+!) *!+, 3F!

Special Consideration and Further Assessment

E

42* < ". 2/' O=%' G "#' K "' 2=; 2'2=" +1' O "1T%1 &; . \$ " _ '+2=" 1' < * 1+. J '2=" / / / +% . '%1' +. '2=" "' . <' %T' / " // +% . ' " \ ; & / _ & ; 9' =; K "' G " " . ' ; T "\$2" <' G9' #. " / / '%1' %2=" 1' \$+1\$ * & / 2; . \$ " / ' & ; 9' ; 00#9' T%1' / O "\$+; #' \$% . / + < " 1; 2+% . P' - 00# \$; 2+% . / '\$; . ' G "' & ; < " ' T%1' \$% & O * # / %19' \$ #; / / ' ; G / " . \$ " / / * \$ = ' ; / \ # ; G %1 ; 2%1+ / ' ; . <' 2* 2%1+; # / X _ +. Q / " // +% . ' ; / / " // & " . 2 / 2; / , / _ ' ; . <' T+ . ; #' " \ ; & + . ; 2+% . / P'

"

` % * ' & * / 2' / * G & + 2' 2=" ; 00# \$; 2+% . ' O1+ %1' 2% ' 2=" / 2; 12' % T' 2=" ' 1' # " K ; . 2' " \ ; & _ '%1' G " T%1' " ; ' O+ " \$ " % T' ; / / " // & " . 2+ / ' < * " _ " \ \$ " O2' O=" 1' " + #. " / / '%1' & + / ; < K " . 2* 1' " O1" K " . 2' 9% * T1% & ' < % + . J' / % P' ? T' 9% * ' G " \$% & " ' * . O "# # % . ' 2=" ' < ; 9' % T' 2=" ' " \ ; & ' %1' T ; # / + \$; ' < * 1+ . J' ; . ' " \ ; & _ 9% * ' & * / 2' O1% K + < " ' " K + < " . \$ " < ; 2" <' O + 2=+ . ' (M' = % * 1 / % T' 2=" ' " \ ; & _ O + 2= ' 9% * 1 ; 00# \$; 2+% . P'

"

aZ4 ! '=' ; / ' ; T+ 2' 2% ' / + 2e / * G & + 2' 1' * # " ' O = \$ = ' & " ; . / ' 2=; 2+ T' 9% * ' / + 2' ; . ' " \ ; & '%1' / * G & + 2' ; ' O+ " \$ " % T' ; / / " // & " . 2_ ' 9% * ' ; 1" " < " \$ # ; 1+ . J' 9% * 1 / " # T' T+ 2' 2% ' < % ' / % P'

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` % * ' & * / 2' % G2 ; + . ' ; . <' ; 22; \$ = ' D = + 1 <' I ; 129' < % \$ * & " . 2; 2+% . ' G " T%1' " / * G & + 22+ . J' 2=" ' ; 00# \$; 2+% . P' 7 ; # * 1" " 2% ' < % ' / % ' & ; 9' 1" / * # 2' + . ' 2=" ' ; 00# \$; 2+% . ' G " + . J' 1" d " \$ 2 " < P'

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7 * 12=" 1' +. T%1 & ; 2+% . ' % . ' / O " \$ +; #' \$% . / + < " 1; 2+% . ' \$; . ' ; # / % ' G " ' T% . <' ; 2' = 220 / bee / 2 * < " . 2P * . / O P " < * P ; * e / O " \$ +; # \$% . / + < " 1; 2+% . P' "

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D=" ; 00# \$; 2+% . ' & * / 2' G " ' & ; < " ' 2=1% * J = ' W . #. " ' 4 " 1K; \$ " / ' + . & 9aZ4 ! ' VL9' 42* < ". 2' I 1% T+ # " ' 2; G' f ' L9' 42* < ". 2' 4 " 1K; \$ " / ' f ' W . #. " ' 4 " 1K; \$ " / ' f ' 40" \$ +; # : % . / + < " 1; 2+% . XP'

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42* < ". 2/' O+ # # ' G " ' \$% . 2; \$ 2" <' K+ ; ' *their official university email* ; / ' 2% ' 2=" ' % * 2\$ % & " % T' 2=" + 1' ; 00# \$; 2+% . P'

7 * 12=" 1' ; / / " // & " . 2' " \ ; & / ' & ; 9' G " ' J+ K " . ' 2% ' / 2 * < " . 2/' O = % ' O " 1" " ; G / " . 2' T1% & ' 2=" ' T+ . ; #' " \ ; & / 2=1% * J = ' #. " / / '%1' & + / ; < K " . 2* 1" " ; . <' 1" \$ " + K " <' 40" \$ +; # : % . / + < " 1; 2+% . ' ; 001% K ; # P' L + < Q2 " 1 & / * 00# " & " . 2; 19' " \ ; & ' O+ # # ' G " ' = " # <' < * 1+ . J' 2=" ' 2" 1 & ' ; 2' 2=" ' \$% . K " . + " . 2' O " 1+ % < < " 2" 1 & + . " <' G9' 2=" ' \$% * 1 / " \$% . K " . % 1P' 7+ . ; # / * 00# " & " . 2; 19' " \ ; & / ' O+ # # ' G " ' / \$ = " < * # <' G9' D=" ' ^ \ ; & ' WTT+ \$ " ; . <' + . ' / * 00# " & " . 2; 19' " \ ; & ' O " 1+ % < P!

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7% 1' D " 1 & ' 8' (6 (6_ 4 * 00# " & " . 2; 19' ^ \ ; & / ' O+ # # ' G " ' / \$ = " < * # <' G " 20 " " . ' ! 55Q5 > ' S ; . _ ' (6 (5P!

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??' + / 2=" ' 1" / O% . / + G+ # 29' % T' ; # / 2 * < " . 2 / ' 2% ' 1" J * # ; 1# 9' \$% . / * # 2=" + 1' % TT+ \$ +; # / 2 * < " . 2' " & ; # ; \$ \$ % * . 2 / ' ; . <' & 9aZ4 ! ' + . '%1 < " 1' 2% ' ; / \$ " 12 ; + . ' O = " 2=" 1' % 1' . % 2' 2=" 9' = ; K " ' G " " . ' J1 ; . 2" <' T * 12=" 1' ; / / " // & " . 2P' 7 ; # * 1" ' 2% ' / + 2' T% 1' 2=" ' ; 001% O1+ ; 2' " " \ ; & ' & ; 9' 1" / * # 2' + . ' ; . % K " 1 ; # T ; # * 1" ' T% 1' 2=" ' \$% * 1 / " P' 7 * 12=" 1' ; / / " // & " . 2' O+ # #'

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Academic Honesty and Plagiarism

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