

COURSE: Cell and Molecular Biology		
DEGREE: Biomedical engineering	YEAR: 2020/ 2021	TERM: 2nd

WEEKLY PLANNING									
WEEK	SESSION	DATE	DESCRIPTION	TEACHING (mark X)		SPECIAL ROOM FOR SESSION (Computer class room, audio-visual class room)	WEEKLY PROGRAMMING FOR STUDENT		
				L E C T U R E S	S E M I N A R S		DESCRIPTION	CLASS HOURS (1,66=50+50 min)	HOMEWORK HOURS (Max Estim. 6,5h)
1	1	Feb 9th	Cell and Molecular Course Description: main information (Ficha Reina/AG). Genetics in medicine.	X			1,66	6,5	
	2	Feb 10th & 12nd	Tools in cell biology and biomedicine		X	Remote class	1,66		
2	3	Feb 16th	Introduction to tissues, systems and organs I	X			1,66	6,5	
	4	Feb 17th & 19th	Introduction to tissues, systems and organs II		X	Remote class	1,66		
3	5	Feb 23rd	Membrane structure I	X			1,66	6,5	
	6	Feb 24th & 26th	Introduction to tissues: paper discussion session (Bioartificial heart example)		X	Remote class	1,66		
4	7	March 2nd	Membrane structure II	X			1,66	6,5	
	8	March 3rd & 5	Exam (sessions 1 to 6 inclusive)		X	Multiple choice test online	1,66		
5	9	March 9th	Membrane transport	X			1,66	6,5	
	10	March 10th and 12th	Membrane structure and transport paper discussion session (Caspase example)		X		1,66		
6	11	March 16th	Vesicular traffic	X			1,66	6,5	
	12	March 17th & 19th	Vesicular traffic paper discussion session (LDL-Cholesterol uptake example)		X		1,66		
7	13	March 23rd	Review, discussions and problems	X			1,66	6,5	
	14	March 24th & 26th	Exam (sessions 7 to 12 inclusive)		X	Multiple choice test online	1,66		
8	15	April 6th	Introduction to Genomes I	X			1,66	6,5	
	16	April 7th & 10th	Introduction to Genomes II		X		1,66		
9	17	April 13th	How cells produce and use energy	X			1,66	6,5	
	18	April 14th & 16th	Protein Structure I		X		1,66		
10	19	April 20th	Protein Structure II	X			1,66	6,5	
	20	April 21st & 23rd	Protein regulation		X		1,66		
11	21	April 27th	DNA and Chromosomes I	X			1,66	6,5	
	22	April 28th & 30th	DNA and Chromosomes II		X		1,66		
12	23	May 4th	DNA replication	X			1,66	6,5	
	24	May 5th & 7th	DNA repair and recombination		X		1,66		
13	25	May 11th	RNA synthesis and processing I	X			1,66	6,5	
	26	May 12th & 14th	RNA synthesis and processing II		X		1,66		
14	27	May 18th	RNA Translation (Protein synthesis)	X			1,66	6,5	
	28	May 19th	Gene regulation and epigenetics		X		1,66		
Subtotal 1							46	91	
Total 1 (Hours of class plus student homework)							137		
15			Tutorials, handing in, etc				3,6	-	
17			Assessment				4	10	
Subtotal 2							8	10	
Total 2 (Hours of class plus student homework)							18		
TOTAL A (Maximun 160 horas)							155		

LABORATORIES CLASSES PROGRAMMING								
WEEK	SESSION	DESCRIPTION	LABORATORY	WEEKLY PROGRAMMING FOR STUDENT				
				DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Max. Estim. 6,5h)		
	1				1,66	6,5		
	2				1,66			
Subtotal 3							3,5	6,5
Total 3 (Hours of class plus student homework)							10	

TOTAL B (Total 3)	10
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TOTAL (Total A + Total B. <i>Maximun 170 horas</i>)	165
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