



<b>COURSE: Medical Physiology II</b>		
<b>DEGREE: Biomedical Engineering</b>	<b>YEAR: 2020/2021</b>	<b>TERM: 2nd</b>

WEEKLY PLANNING									
WEEK	SESSION	DESCRIPTION	GROUPS (mark X)		SPECIAL ROOM FOR SESSION (Computer class room, audio-visual class room)	Indicate YES/NO If the session needs 2 teachers	WEEKLY PROGRAMMING FOR STUDENT		
			LECTURES	SEMINARS			DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Max. 7h week)
1	1	Special senses: Vision	X					1,6	
1	2	Special senses: Vision (2)		X		Y		1,6	
2	3	Special senses: Vision (3)	X					1,6	
2	4	Special senses: Vision (4)		X		Y		1,6	
3	5	Special senses: Audition	X					1,6	
3	6 13FEB	Special senses: Audition (2)		X		Y		1,6	
4	7	Special senses: Olfaction and taste	X					1,6	

4	8	<b>SEMINAR I:</b> Examples, discussion and problems		X			Y		1,6
5	9	Cardiovascular system: Anatomy of heart and blood vessels.	X						1,6
5	10	The heart (1)		X			Y		1,6
6	11	<b>EXAM SENSES/</b> Cardiovascular system: The heart (2)	X						1,6
6	12	Cardiovascular system: The heart (3)		X			Y		1,6
7	13	Cardiovascular system: The circulation	X						1,6
7	14	Cardiovascular system: The circulation (2)		X			Y		1,6
8	15	<b>SEMINAR II:</b> Examples, discussion and problems	X						1,6
8	16	Digestive system (1)		X			Y		1,6
9	17	Digestive system (2)	X						1,6
9	18	Endocrine system (1)		X			Y		1,6
10	19	<b>EXAM Cardio /</b> Endocrine system (2)	X						
10	20	Review of nutrition and metabolism		X			Y		1,6
11	21	Urinary System anatomy. Review of filtration	X						1,6
11	22	The Kidney		X			Y		1,6
12	23	The kidney (2)	X						1,6
12	24	Fluids and acid-base equilibrium		X			Y		1,6
13	26	<b>SEMINAR III:</b> Examples, discussion and problems	X						
13	26	Reproductive system, development and inheritance		X			Y		1,6
14	27	Reproductive system, development and inheritance (2)	X					Examples, discussion and problems	1,6

14	28	Tutorship		X		Y		1,6	
15	29	EXAM Endocrine + Digestive + Urinary + Reproductive	X						
<b>Subtotal 1</b>								<b>41,66</b>	
<b>Total 1</b> (Hours of class plus student homework hours between weeks 1-14)									

15		Assessment						3	
16									
16									
<b>Subtotal 2</b>								<b>3</b>	
<b>Total 2</b> (Hours of class plus student homework hours between weeks 15-18)									

<b>TOTAL A</b> (Total 1 + Total 2)								<b>150</b>	
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LABORATORIES CLASSES PROGRAMMING (*)						
WEEK	SESSION	DESCRIPTION	LABORATORY	WEEKLY PROGRAMMING FOR STUDENT		
				DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Max. 7h week)
	1	Eye dissection	UC3M Labs		1,6	
	2	Heart-lung dissection	UC3M Labs		1,6	
	3	Cardiovascular clinical scenarios (on mannekin)	UC3M Labs		1,6	
	4	Physiological simulations	Homework		1,6	
	5	Visits to the Hospital clinics	Hospital Gregorio Marañón		1,6	
<b>Subtotal 3</b>					<b>16</b>	
<b>Total 3</b> (Hours of class plus student homework hours of ten sessions laboratories)						

<b>TOTAL B</b> (Total 3)	
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<b>TOTAL</b> (Total A + Total B. <i>Maximum 180 hours</i> )	
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*(\*) In EPS are given an additional 16 hours of laboratory practices along ten sessions.*