

	Subject of the week	Chapter' paragraphs
Week 1	Biochips & Related Applications (Sandro)	§1.1-1.4*
Week 2	Equivalent Circuits for Bio/CMOS interfaces (Sandro)	§2.2-3,8-9; §4.4.2-3; §5.5.4; §10.2*
Week 3	Brain/Machine interfaces: Circuit for Electrical Stimulation/Sensing (Sandro)	Course slides (**)
Week 4	Circuits for Amperometric Potentiometric Chemical Sensing (Sandro)	§5.2-3; §10.1-6, and §12.1*
Week 5	Circuits for Capacitive & Impedimetric Chemical Sensing (Sandro)	§5.5 & Chap. 13*
Week 6	Architecture of wireless implantable systems (Alexandre, 3 hours lecture)	Course slides (**)
Week 7	Inductive links TX (power, data) (Alexandre, 2 hours lecture, 1 hour exercise)	Course slides (**)
Week 8	Inductive links RX (Alexandre, 2 hours lecture, 1 hour exercise)	Course slides (**)
18-23/04	EASTER HOLIDAY	
Week 9	RF telemetry TX, RX (power, data) (Alexandre, 2 hours lecture, 1 hour exercise)	Course slides (**)
Week 10	RF telemetry (Alexandre, 1 hour lecture, 2 hours exercises)	Course slides (**)
Week 11	Introduction to antennas and radiation regulations (Anja)	Course slides
Week 12	WBAN Antennas (Anja)	Course slides
Week 13	WBAN Antennas (Anja)	Course slides
Week 14	Review for final exam	-

\* S. Carrara, Bio/CMOS interfaces and Co-Design, 2<sup>nd</sup> edition, Springer, 2024 – \*\* Supporting reading references announced in the slide set