

Intensive Basic Medical Course, Topics in Biology				Chapters	Seminars
1 st week	January 05	No lecture			
January 05-09	January 05	No lecture			Ch. 3-4
	Lecture 1.	Proteins, carbohydrates, lipids 1	Ch.# 3.		
	Lecture 2.	Proteins, carbohydrates, lipids 2	Ch.# 3.		
2 nd week	January 12	Proteins, carbohydrates, lipids 3	Ch.# 3.		
January 12-16	January 12	Nucleic acids	Ch.# 4*.	Ch. 4 - 5	
	January 14	Cells: The Working units of life 1	Ch.# 5.		
	January 14	Cells: The Working units of life 2	Ch.# 5.		
3 rd week	January 19	Cells: The Working units of life 3	Ch.# 5.		
January 19-23	January 19	Cells: The Working units of life 4	Ch.# 5.	Ch. 5 - 6	
	January 21	Cell membranes 1	Ch.# 6.		
	January 21	Cell membranes 2	Ch.# 6.		
4 th week	January 26	Cell membranes 3	Ch.# 6.		
January 26 - 30	January 26	Cell membranes 4	Ch.# 6.	Ch. 6 - 8	
	January 28	Energy, enzymes and metabolism 1	Ch.# 8.		
	January 28	Energy, enzymes and metabolism 2	Ch.# 8.		
5 th week	February 02	Energy, enzymes and metabolism 3	Ch.# 8.		
February 02- 06	February 02	Energy, enzymes and metabolism 4	Ch.# 8.	Ch. 8-9	
	February 04	Pathways that harvest chemical energy 1	Ch.# 9.		
	February 04	Pathways that harvest chemical energy 2	Ch.# 9.		
SCT1 2026.02. 05. Required chapters: Ch.3. Ch. 4*. Ch.5, Ch. 6.					
6 th week	February 09	Pathways that harvest chemical energy 3	Ch.# 9.		
February 09- 13	February 09	Pathways that harvest chemical energy 4	Ch.# 9.	Ch. 9-11	
	February 11	The cell cycle and cell division 1	Ch.# 11.		
	February 11	The cell cycle and cell division 2	Ch.# 11.		
7 th week	February 16	The cell cycle and cell division 3	Ch.# 9.		
February 16 - 20	February 16	The cell cycle and cell division 4	Ch.# 9.	Ch 11 - 12	
	February 18	Inheritance, genes and chromosomes 1	Ch.# 12.		
	February 18	Inheritance, genes and chromosomes 2	Ch.# 12.		
8 th week	February 23	Inheritance, genes and chromosomes 3	Ch.# 12.		
February 23 - 27	February 23	Inheritance, genes and chromosomes 4	Ch.# 12.	Ch. 12 - 13	
	February 25	Inheritance, genes and chromosomes 5	Ch.# 12.		
	February 25	DNA and it's role in heredity 1	Ch.# 13.		
9 th week	March 02	DNA and it's role in heredity 2	Ch.# 13.		
March 02 - 06	March 02	DNA and it's role in heredity 3	Ch.# 13.	Ch. 13 - 14	
	March 04	From DNA to protein: Gene expression 1	Ch# 14.		
	March 04	From DNA to protein: Gene expression 2	Ch# 14.		
SCT2 2026. 03.05. Required chapters: Ch.8. Ch. 9. Ch.11, Ch. 12.					
10 th week	March 09	From DNA to protein: Gene expression 3	Ch# 14.		
March 09 - 13	March 09	From DNA to protein: Gene expression 4	Ch# 14.	Ch. 14 - 15	
	March 11	Gene mutation and Molecular Medicine 1	Ch# 15.*		
	March 11	Gene mutation and Molecular Medicine 2	Ch# 15.*		
11 th week	March 16	Gene mutation and Molecular Medicine 3	Ch# 15.*		
March 16-20	March 16	Gene mutation and Molecular Medicine 4	Ch# 15.*	Ch. 15 - 16	
	March 18	Regulation of gene expression 1	Ch# 16.		
	March 18	Regulation of gene expression 2	Ch# 16.		
12 th week	March 23	Regulation of gene expression 3	Ch# 16.		
March 23- March 27	March 23	Regulation of gene expression 4	Ch# 16.	Ch. 16 - 7	
	March 25	Cell communication 1	Ch# 7.		
	March 25	Cell communication 2	Ch# 7.		
SCT3 2026. 04.02. Required chapters: Ch.13. Ch. 14. Ch.15, Ch. 16.					

*Ch. 4.: pages 68 - 72 and 77 - 78

*Ch. 15.: pages 324 -336 and 344 - 346