

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