

**BMC curriculum  
2024/25-es tanév tavaszi félév**

Week	Date	Lecture	Chapter	Topic	Lecturer	Seminar teacher	Seminar topic
1	Feb. 10. 14:00 (Mon, LC 0.14)	1-2	15	Properties of electric charges. Insulators and conductors. Co	PF	VZ	15
	Feb. 11. 16:00 (Tue, IVDI)	3-4			HP	DBA	
2	Feb. 17. 14:00 (Mon, LC 0.14)	5-6	16	Electrical energy and capacitance. The parallel plate capacit	SzGT	BZs	15/16
	Feb. 18. 16:00 (Tue, IVDI)	7-8			BZs	DBA	
3	Feb. 24. 14:00 (Mon, LC 0.14)	9-10	17	Electric current. Current and voltage measurements in circu	BZs	ZF	16/17
	Feb. 25. 16:00 (Tue, IVDI)	11-12			ZF	DBA	
<b>5th SCT material covered up to the 2nd week seminars</b>							
4	Mar. 3. 14:00 (Mon, LC 0.14)	13-14	18	Direct current circuits. Resistors in parallel and series. Kirch	KT	KT	17/18
	Mar. 4. 16:00 (Tue, IVDI)	15-16			KT	HP	
5	Mar. 10. 14:00 (Mon, LC 0.14)	17-18	19	Magnetism. Magnetic field. Earth's magnetic field. Magnetic	PGY	DBA	18
	Mar. 11. 16:00 (Tue, IVDI)	19-20			VZ	BZs	
6	Mar. 17. 14:00 (Mon, LC 0.14)	21-22	20	Induced emf and magnetic flux. Faraday's law of induction. M	VZ	ZF	19
	Mar. 18. 16:00 (Tue, IVDI)	23-24			HP	HP	
<b>6th SCT Material discussed in week 3-5 seminars</b>							
7	Mar. 24. 14:00 (Mon, LC 0.14)	25-26	21	Alternating current. Resistors, capacitors and inductors in A	HP	SzGT	20
	Mar. 25. 16:00 (Tue, IVDI)	27-28			VZ	PF	
8	Mar. 31. 14:00 (Mon, LC 0.14)	29-30	22	The nature of light. Reflection, refraction and dispersion. Pris	PGy	VZ	21
	Apr. 1. 16:00 (Tue, IVDI)	31-32			PGy	KT	
9	Apr. 7. 14:00 (Mon, LC 0.14)	33-34	23	Lenses and mirrors. Flat mirrors. Images formed by spherica	ML	HP	22
	Apr. 8. 16:00 (Tue, IVDI)	35-36			ML	ZF	
10	Apr. 14. 14:00 (Mon, LC 0.14)	37-38	24	Wave optics. Conditions for interference, polarization of ligh	SZJ	PF	23
	Apr. 15. 16:00 (Tue, IVDI)	39-40	25		SZJ	SzGT	
<b>7th SCT Material discussed in week 6-9 seminars</b>							
11	Apr. 21. 14:00 (Mon, LC 0.14)	41-42	27	Quantum physics. Blackbody radiation. Photoelectric effect.	DBA	VZ	24/25
	Apr. 22. 16:00 (Tue, IVDI)	43-44			DBA	BZS	
12	Apr. 28. 14:00 (Mon, LC 0.14)	45-46	28	Atomic physics. Early model of the atom. Quantum mechan	SzJ	SZGT	27/28
	Apr. 30. 16:00 (Tue, IVDI)	47-48			SzJ	PF	
13	May 5. 14:00 (Mon, LC 0.14)	49-50	29	Some properties of the nuclei. Binding energy. Radioactivity	PF	HP	29
	May 6. 16:00 (Tue, IVDI)	51-52	30		VZ	KT	
14	May 12. 14:00 (Mon, LC 0.14)	53-54		Preparation for the final exam.	PF	PF	
	May 13. 16:00 (Tue, IVDI)	55-56			PF	SZGT	
<b>8th SCT Material discussed in week 10-13 seminars</b>							