

## PROGRAMME OF THE BIOPHYSICAL TUTORIALS

### Summer Term 2007/2007

Students will proceed to work in the same groups as in the previous winter term and follow the list of tutorials presented below:

THE NUMBER AND THE NAME OF THE TUTORIALS:

**15. High-tech medical equipments in laboratory** – introduction and instructions for use.

**COMPUTER LAB:**

**16. Work with Computer:** From MEDLINE to the Cochrane Library - the reliable source of evidence for healthcare.

**17. Work with Computer:** Critical appraisal of medical literature.

**18. Work with Computer:** How to read medical journal articles. Worked examples.

**19. Work with Computer:** Bibliometrics. Scence Citation Index, journal impact factor.

**20. Basic methods of spirometry**

**21. Electrocardiography.** Basic work with 6 channel ECG.

**22. Ultrasound Application:**

**A. Measurement of Distances.**

**B. 2D imaging by use of ultrasound.**

**23. A. Achilles Tendon Reflex Scanning.**

**B. Blood flow velocity measurement by Doppler method**

**C. Blood pressure measurement**

**24. A. Basic Methods in Physiological Optics.**

**B. Ophtalmoscopy**

**25. Measuring of Differential Scintillation Spectra**

**26. Audiometry:** a) Air-conduction Hearing Threshold

b) Bone-conduction Hearing Threshold

c) Kingsbury's Test,

d)SISI Test

**27. Frequency Analysis of Musical Tone and Vowels**

**28. Theory of measurement** – advanced course,

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In the week from 21.5. till 25.5. 2007: the Additional Tutorials & Practicavit

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**Note:** Tutorials No. 16 – 19 take place in the computer lab in the Social Medicine Department. The completion of all the 12 tutorials and elaboration of the measuring protocols are the obligatory conditions of the credit.

**THE CYCLIC EXCHANGE OF TUTORIALS**

**Summer Term 2007/2007**

Working Group:	1	2	3	4	5	6	7	8	9	10	11	12
DATE:	TUTORIAL No.											
12.2. 2007	15. High-tech medical equipments in laboratory introduction and instructions for use											
19.2. 2007	16	16	16	16	24	23	22	21	20	27	26	25
26.2. 2007	17	17	17	17	25	24	23	22	21	20	27	26
5.3. 2007	18	18	18	18	26	25	24	23	22	21	20	27
12.3. 2007	19	19	19	19	27	26	25	24	23	22	21	20
19.3. 2007	20	27	26	25	16	16	16	16	24	23	22	21
26.3. 2007	21	20	27	26	17	17	17	17	25	24	23	22
2.4. 2007	22	21	20	27	18	18	18	18	26	25	24	23
9.4. 2007	<b>EASTER MONDAY</b>											
16.4. 2007	23	22	21	20	19	19	19	19	27	26	25	24
23.4. 2007	24	23	22	21	20	27	26	25	16	16	16	16
30.4. 2007	25	24	23	22	21	20	27	26	17	17	17	17
7.5. 2007	26	25	24	23	22	21	20	27	18	18	18	18
14.5. 2007	27	26	25	24	23	22	21	20	19	19	19	19
21.5. 2007	28. Theory of measurement – advanced course,											

14.5.2007 : **Practicavit may be available if all necessary conditions are completed.**

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the tutorials supervisor

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