

## **LIST OF TEXTBOOKS-1st YEAR:**

### **1. Physics and Biophysics**

#### **A. Obligatory**

#### **E-LEARNING PLATFORM (LMS):**

- Encompasses video lectures, interactive, and supplementary materials covering the content of lectures, seminars, and exercises from all thematic sections.
- Allows self-assessment of knowledge through Assignments divided into thematic sections and progress throughout the course.

#### **BOOKS and TEXTS**

- Text placed on LMS (Skripta). Power point presentations of all lectures and seminars placed on LMS.
- Pisano: Physics for Anesthesiologists, Springer, Switzerland, 2021.

#### **B. Additional**

1. University Physics, Volume 1-3, S.J. Ling, Open Stax, 2016
2. J. Newman: Physics of the Life Sciences, Springer, New York 2008
3. I.P. Herman: Physics of the Human Body, Springer, Berlin 2007
4. P. Davidovits: Physics in Biology and Medicine, Harcourt Academic Press, San Diego, 2001.

### **2. Medical and Molecular Biology**

#### **A. Obligatory**

01.Cooper, G.M. (2019): The Cell: A Molecular Approach, 8th edition, Sinauer Associates, New York, Oxford, Oxford University press.

[https://www.amazon.com/Cell-XE-Molecular-Approach-dp-1605358630/dp/1605358630/ref=dp\\_ob\\_title\\_bk?asin=1605357073&revisionId=&format=4&depth=1](https://www.amazon.com/Cell-XE-Molecular-Approach-dp-1605358630/dp/1605358630/ref=dp_ob_title_bk?asin=1605357073&revisionId=&format=4&depth=1)

#### **B. Additional**

1. Alberts, B., Johnson, A., Lewis, J., Morgan, D., Raff, M., Roberts, K., Walter, P (2022) : Molecular Biology of the Cell, 7th Edition, Garland Science, Taylor and Francis Group, New York
  2. Turnpenny, P., Ellard, S., Cleaver R. (2021): Emery's Elements of Medical Genetics and Genomics 16th Edition, Elsevier, Amsterdam, Netherland, 16th Edition - 9780702079665 (elsevier.com)
  3. Barresi MJF, Gilbert SF (2020): Developmental Biology, 12th edition. Sinauer Associates, New York, Oxford, OxfordUniversity Press., (selected chapters).
- NOTE: Consultations are held by all lecturers and assistants every Monday for 1hr after the last session.

### **3. Anatomy and Clinical Anatomy**

#### **A. Obligatory**

#### **E-LEARNING PLATFORM (LMS):**

1. Contains video lectures, interactive, and additional materials that include material for lectures, seminars, and practicals from all thematic parts (A1, A2 and A3).

2. It enables formative self-evaluation and an overview of advancement throughout the course.

#### **TEXTBOOKS AND ATLASES:**

1. Dalley AF, Agur AMR. Moore's Clinically Oriented Anatomy. Lippincott, Wolters Kluwer; 9th edition (2022).
2. Gilroy AM, MacPherson BR, Ross LM. Atlas of anatomy (English nomenclature). Thieme Medical Publishers, Inc.; 3rd edition (2016).
3. Thieme: Color atlas of human anatomy: Vol. 1 (Platzer, 2014), Vol. 2 (Fritsch, 2014), and Vol. 3. (Kalhe. 2015). or the latest editions.

An anatomical atlas is the pictorial part of the textbook and is indispensable for mastering the material of the Anatomy course. The department does not particularly recommend any of the above-mentioned atlases, and it is possible to use other atlases. Anatomical atlases also exist in electronic form, which can replace the printed edition.

#### **B. Additional**

In addition to the materials posted above, it is possible to use other literature whose content and scope corresponds to the above-mentioned texts and atlases.

1. Paulsen F, Waschke J. Sobotta Atlas of Human Anatomy. Urban/Fischer Verlag/Elsevier GmbH; 16th edition (2018).
2. Rohen JW, Yokochi C, Lütjen-Drecoll E. Color Atlas of Anatomy: A Photographic Study of the Human Body. Lippincott Williams & Wilkins; 8th edition (2015).
3. Acland's Video Atlas of Human Anatomy (<http://aclandanatomy.com>)

### **4. Social Medicine and Introduction to Medicine**

#### **A. Obligatory**

- Materials on LMS

### **5. History of Medicine**

#### **A. Obligatory**

1. Bynum, William F. The History of Medicine: A Very Short Introduction (Very Short Introductions) .Oxford University Press; 1 edition (August 24, 2008).

### **6. First Aid**

#### **Obligatory :**

1. ERC guidelines 2021 (or newer if available)

The following guidelines (guidelines available at [cprguidelines.eu](http://cprguidelines.eu)):

1. Basic life support
2. First Aid
2. Official lectures and seminars (presentations available on LMS)

#### **B. Additional**

Other resources provided on the e-learning platform (LMS)

## **7. Introduction to Medical Terminology**

### Obligatory:

1. Power point presentations and handouts

### Additional:

1. Nath, J., Land Lindsley, K.P. 2019. A Short Course in Medical Terminology
2. Cohen, B.J. & DePetris, A. 2014. Medical Terminology - An Illustrated Guide, 7th edition

## **8. Medical Chemistry and Biochemistry 1**

### Obligatory

Selected chapters from:

1. Chang R.: Chemistry; McGraw-Hill, 10th Ed., 2010.
2. Denniston K. J.: General, Organic and Biochemistry; McGraw-Hill, 4th Ed. 2003.
3. Nelson D. L. and Cox M. M.: Lehninger Principles of Biochemistry. W. H. Freeman and Company, 6th Ed., 2013.
4. Laboratory Manual - Handbook of Chemistry for Medical Students (internal script)

### Additional:

Selected chapters from:

1. Silberberg M. S.: Chemistry, The Molecular Nature of Matter and Change, McGraw-Hill, 4nd Ed., 2006.
2. Carey F.A.: Organic Chemistry, McGraw-Hill, 5th Ed., 2003.

## **9. Basic of Medical Informatics**

### A. OBLIGATORY

1. CONSORT and STROBE statements including explanation and elaboration documents (equator-network.org)
2. Course materials and handouts (lms.mef.hr)

### B. Additional readings

1. ICMJE Recommendations (icmje.org)
2. CEBM (cebm.ox.ac.uk)
3. Guyatt G et al. Users' Guide to the Medical Literature. 3rd ed.
4. Any book containing basics of Microsoft Office, and on-line help manuals for specific programs (MS Word, MS Excel, etc.)
5. Coursera courses

## **10. Croatian Language**

### A. Obligatory

*01. Course pack*

### B. Additional readings

Darko Matovac: Basic Croatian Grammar

## **11. Fundamentals of Medical Skills 1**

### Obligatory

1. Degoricija V ed. Emergency Medicine. Second Edition. Manualia Universitatis Studiorum Zagrabensis; Zagreb: Libar; 2013.
2. Video clips and handouts for each practical.
3. Silverman J, Kurtz SM, Draper J. Skills for communicating with patients. Radcliffe Pub., 2005.
4. Braš M, Đorđević V, Miličić D, Janjanin M. Doctor-Patient Relationship. In: Đorđević V, Braš M, Miličić D (Eds). Person in Medicine and Healthcare: From Bench to Bedside to Community. Zagreb: Medicinska Naklada; 2011: 7-15.

### Additional:

1. Dorđević V, Braš M, Brajković L. Person-centered medical interview. Croat Med J. 2012 Aug;53(4):310-3.