

## **LIST OF TEXTBOOKS-2nd YEAR:**

### **1. Medical Chemistry and Biochemistry 2**

#### **A. Obligatory**

Selected chapters from:

- Nelson D.L. and Cox M.M.: Lehninger Principles of Biochemistry. 7th Ed., W.H. Freeman & Co Ltd. (Publisher), 2017 (or 6th or 5th Ed.)
- McKee T. and McKee J.R.: Biochemistry: The Molecular Basis of Life. 4th Ed., Oxford University Press, 2009.
- Group of Authors: Laboratory Manual, Medical Chemistry and Biochemistry 2. School of Medicine, University of Zagreb, Department of Chemistry and Biochemistry, 2023.
- Teaching material at LMS e-learning platform

#### **B. Additional**

- Devlin T.E. Ed.: Textbook of Biochemistry with Clinical Correlations. 6th Ed., Wiley-Liss, 2006.
- Murray R.K., Bender D.A., Botham K.M., Kennelly P.J., Rodwell V.W., and Weil P.A. (Eds): Harper's Illustrated Biochemistry, 28th Ed., The McGraw-Hill Companies, 2009; or 27th Ed., 2006.

### **2. Histology & Embryology**

#### **A. Obligatory**

- Mescher: **Junqueira's Basic Histology, 17th edition**
- Sadler: Langman's Medical Embryology, 15th edition

#### **B. Additional**

- Materials available on e-learning platform: recorded lectures, seminars, scanned and described histological slides

### **3. Physiology**

#### **A. Obligatory**

- Guyton AC, Hall JE: Textbook Of Medical Physiology, 14th Edition, Elsevier
- Manual for practical lessons (1-12, LMS)

#### **B. Additional**

- W. Boron and E. Boulpaep. Medical Physiology 3rd Edition, ISBN: 9781455743773
- R.M. Berne and M.N. Levy. Physiology 7th Edition, ISBN:9780323393942
- D.R. Bell. Core Concepts in Physiology. Lippincott-Raven, ISBN: 0-316-08868-4
- Linda S. Costanzo. Physiology 6th Edition, ISBN: 9780323478816

## 4. Immunology

### A. Obligatory

1. Abbas AK, Lichtman H, Pillai S. Cellular and molecular immunology, 10th edition, Philadelphia Saunders, 2022.

### B. Additional

1. Parham Peter. The Immune System, 5th Edition, W.W.Norton & Company, Inc., 500 Fifth Avenue, New York, NY, 2021.
2. Delves PJ, Martin SJ, Burton DR, Roitt IM, Roitt's Essential Immunology, 13th edition. Wiley-Blackwell, 2017.
3. Murphy K., Weaver C, Berg L. Janeway's Immunobiology, 10th edition. New York: Garland Science; 2022.
4. Geha R, Notarangelo L. Case studies in immunology: A clinical companion, 7th edition. New York: Garland Science; 2016.
5. Hawley LB, Ziegler R J, Clarke B. Microbiology & Immunology: Board Review Series, 6th edition. Philadelphia: Lippincott Williams & Wilkins; 2013.

## 5. Fundamentals of Neuroscience

### A. Obligatory

- "Exploring the brain" 4th edition, Bear M.F. et al., Wolters Kluwer, 2016, Philadelphia (975 pages)

Neuroscience: Exploring the Brain; Textbook by Barry W. Connors, Mark F. Bear, and Michael Paradiso, the new edition

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

- It contains video lectures, interactive and additional materials that include the material of lectures, seminars, and exercises from all thematic sections

### B. Additional

- "Photographic atlas of neuroanatomy" Deller T, Sebesteny T., translated and edited by Vukšić, M. Medicinska Naklada, Zagreb, 2015 (136 pages)

- "The human central nervous system: a synopsis and atlas" 4th edition, Nieuwenhuys R., Voogd J., van Huijzen C., Springer 2008. (970 pages)

- "Neuroznanost" Purves D. et al., also available as a translated version (Heffer M. et al.), Medicinska Naklada, Zagreb, 2016 (760 pages)

- "Fundamental neuroscience", 3rd edition, Zigmond M. J. et al. author, Elsevier, Academic Press, Amsterdam, 2008. (1600 pages)

- "Principles of neural science" 4th edition, Kandel E.R., Schwartz J.H., Jessell T.M. ed., Elsevier, 2000 (1000 pages)

- "Biological psychology", Pinel J.P.J. author, Naklada Slap, Jastrebarsko, 2002. (558 pages)

- "Clinical neuropsychology, behavioral and brain sciences", Bradshaw J.L., Mattingley J.D. author, Elsevier, Academic Press, Amsterdam, 2013 (458 pages)

## **6. Medical Sociology**

### A. Obligatory

1. Medical Sociology, Ninth Edition, William C. Cockerham; Prentice Hall, 2022.
2. Key Concepts in Medical Sociology (Sage Key Concepts) by Jonathan Peter, Michael Bury, Mary Ann; SAGE Publications, 2013.
3. List of literature for seminar preparation (available on the LMS site of the course).

### B. Additional

1. Bird CE, Conrad P, Fremont AM (Editors); Handbook of Medical Sociology; Fifth edition, Prentice Hall, Upper Saddle River, NY, 2000

## **7. Psychological Medicine**

### A. Obligatory

1. Huges, P., D. Riordan. Dynamic Psychotherapy explained. Radcliffe Publishing, Oxford- Seattle, 1999.

### B. Additional

Lemma A. Introduction to the Practice of Psychoanalytic Psychotherapy 2nd Ed.

Wiley-Blackwell, 2015.

Mayou, R., Sharpe, M., Carson, A. ABC of Psychological Medicine, BMJ Books. 2003

## **8. Measurement and Analysis of Human Locomotion**

### A. Obligatory

V. Medved (Ed.): Measurement and Analysis of Human Locomotion; Springer, 2021.

V. Medved: Measurement of Human Locomotion; CRC Press Inc., Boca Raton, FL, 2001.

M.M. Pećina and D. Bojanić: Overuse Injuries of the Musculoskeletal System, Second Edition; CRC Press Inc.; Boca Raton, FL, 2003.

J. Rose and J.G. Gamble (Eds.): Human Walking, Third Edition; Lippincott Williams & Wilkins, Baltimore, Md, 2006.

### B. Additional

Medved V, Medved S, Kovač I. Critical appraisal of surface electromyography (sEMG) as a taught subject and clinical tool in medicine and kinesiology. *Frontiers in Neurology*. 2020 Oct 26;11:560363.

P. Allard, A. Cappozzo, A. Lundberg and C.L.Vaughan (Editors): Three-dimensional Analysis of Human Locomotion; John Wiley & Sons, New York, 1997.

J.M. Winters and P.E. Crago (Eds.): Biomechanics and Neural Control of Posture and Movement; Springer-Verlag, New York, 2000.

R. Merletti and P.A. Parker (Eds.); Electromyography. Physiology, Engineering, and Noninvasive Applications; IEEE Press, JohnWiley & Sons, Inc., Hoboken, New Jersey, 2004.

Handouts material will be stored at student web portal prior to the beginning of the course.

## **9. Croatian Language 2**

### Obligatory

Course pack

### Additional

Darko Matovac: Basic Croatian Grammar

## **10. Fundamentals of Medical Skills 2**

### Obligatory

1. Degoricija V ed. Emergency Medicine. Second Edition. Manualia Universitatis Studiorum Zagabiensis; 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.
2. Bauer J, Fritzsche K, Wirsching M. Intuitive Understanding Between the Physician and Patient: Mirror Neuron System as Neurological Basis. In: Đorđević V, Braš M, Miličić D (Eds). Person in Medicine and Healthcare: From Bench to Bedside to Community. Zagreb: Medicinska Naklada, 2012:17 – 21.
3. Brajkovic L, Braš M, Đorđević V, Cvek M. Role of Communication Skills in Person-Centered Medicine. In: Đorđević V, Braš M, Miličić D (Eds). Person in Medicine and Healthcare: From Bench to Bedside to Community. Zagreb: Medicinska Naklada, 2012: 23-31.

## **11. Anxiety and how to brak free from it**

Gabbard G.O. Psychodynamic Psychiatry in Clinical Practice, Fifth Edition. APA, Washington, 2014.

Handouts

## **12. Stress and the brain**

### Obligatory

Selected chapters from textbooks:

1. Guyton & Hall, Medical Physiology, 14th Edition, Elsevier, 2020. Chapters 58, 60 and 77. Mark F. Bear, Barry W. Connors, Michael A. Paradiso,
  2. Neuroscience: Exploring the Brain, 4 Edition, 2015, Chapters. IS, 18, 22
- 'Hand-outs that students will receive in the class

### Additional

"Principles of neural science" Kandel E.R., Schwartz J.H., Jessell T.M. Ed., 6th Edition. McGraw Hill Companies, 2021 recommended chapters