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|  | | | **UNIVERSITY OF EAST SARAJEVO**  Faculty of Medicine | | | | | | | | | | |  | | | |
| ***Study program medicine*** | | | | | | | | | | |
| Integrated academic studies | | | | | | III-study year | | | | |
| **Full subject title** | | | CLINICAL PROPEDEUTICS | | | | | | | | | | | | | | |
| **Department** | | | Department of Internal Medicine, Faculty of Medicine in Foča | | | | | | | | | | | | | | |
| **Subject code** | | | | | | **Subject status** | | | | | **Semester** | | | **ECTS** | | | |
|
| МЕ-01-028-6 | | | | | | compulsory | | | | | VI | | | 7 | | | |
| **Professor/ -s** | | Full professor Dejan Bokonjić MD, PhD, Associate professor Jelena Stanic MD, PhD; Assistant professor Marijana Kovačević, Assistant professor Verica Prodanović, Assistant professor Biljana milinković | | | | | | | | | | | | | | | |
| **Associate/ - s** | |  | | | | | | | | | | | | | | | |
| **Number of lectures/ teaching workload (per week)** | | | | | | | **Individual student workload (in hours per semester)** | | | | | | | | **Coefficient of student workload So[[1]](#footnote-2)** | | |
| **L** | **E** | | | | **SP** | | **L** | | | **E** | | **SP** | | | **L** | | |
| 2 | 2 | | | | 3 | | 2\*15\*1 | | | 2\*15\*1 | | 3\*15\*1 | | | 1 | | |
| total teaching workload (in hours, per semester)  2\*15 + 2\*15 + 3\*15 = 105 | | | | | | | | total teaching workload (in hours, per semester)  2\*15\*1 + 2\*15\*1 + 3\*15\*1 = 105 | | | | | | | | | |
| Total subject workload (teaching + student): 105 + 105 = 210 hours | | | | | | | | | | | | | | | | | |
| **Learning outcomes** | | 1. Students acquire the skills of taking anamnesis  2. Students acquire the skills of physically examining patients  3. Get to know the ways of making a diagnostic algorithm  4. Get to know the methods of making a therapeutic algorithm | | | | | | | | | | | | | | | |
| **Preconditions** | | Requirement for taking the exam: all passed exams from the previous year of study | | | | | | | | | | | | | | | |
| **Teaching methods** | | (just list the methods you use for the realization of teaching methods) | | | | | | | | | | | | | | | |
| **Subject content per week** | | **Lectures**  1. Introduction   Propedeutics as a medical discipline. Principles of work of doctors, doctoral ethics. the notion of health and illness. (1 hour)   2. Anamnesis  Methodology for collecting symptoms of the disease. Medical documentation (1 hour)  3. Objective (physical) examination of the patient.  Methodology for collecting signs of illness. general inspection. (1 hour)  4. Physical examination of the head, neck, extremities. (1 hour)  5. Objective (physical) examination of the chest and respiratory organs.  inspection, palpation, percussion, auscultation-normal finding. (2 hours)  6. Objective (physical) examination of the respiratory tract - pathological finding. (2 hours  7. Objective (physical) examination of the heart and large blood vessels. Inspection. Palpation. Auscultation, cardiovascular system. pulse-normal findings (2 hours)   8. Inspection, palpation, auscultation of cardiovascular system of ivy blood vessels, pulse-pathological findings. (2 hours)  9. Objective (Physical) examination of the abdomen (front of the abdomen, the anterior part of the trunk wall, male and female sex organs, peritoneum and anal area). (1 hour)  10. Objective (physical) examination of the digestive organs (stomach, small intestine, colon, liver, and patches, kidneys and urinary tract). (1 hour)  11. Breathing respiratory tract: symptoms of the disease, signs of illness. Supplementary tests. (2 hours)  12. Proceedings of the heart and blood vessels: symptoms of the disease, signs of illness, supplementary examination. (2 hours)  13. Proceedings of the digestive system: symptoms of the disease. signs of illness, supplementary tests (2 hours)  14. Proceedings of the liver and pathways: symptoms of the disease, signs of illness, supplemental examinations. (2 hours)  15. Proceedings of blood and blood-forming organs: symptoms of the disease. signs of illness.  Supplementary tests (2 hours)  16. Proceedings of the gland with internal sore: symptoms of the disease, signs of illness, supplemental examinations. (2 hours)  17. Proceedings of the kidneys and urinary tract: symptoms of the disease, signs of illness, supplementary tests. (2 hours)  18. Proceedings of the movement organ: symptoms of the disease, signs of illness. supplementary tests. (2 hours)  **Exercises**  **1. Anamnesis.**  Main disorders, current illness, general phenomena. Symptoms of the respiratory system. Symptoms of the cardiovascular system. Symptoms of the digestive system. Symptoms of urinary full organs. slithology of the muscular and bone-joint system. Personal history, family history and social-epidemiological falls (5 hours)  **2. General patient overview.**  Height, body weight. Calculation of body weight index, body symmetry, musculature, cage, patches, lymph glands, body temperature, respiration and psychiatric condition. (5 hours)  **3. Overview of the head.**  The shape of the lumbago, head and face dermatitis, head percutaneous head, palpation of the head, lid examination, bulb mobility, pupils (reaction to light and accommodation), conjugates and sclera.  Nose examination: septum state, nasal passage.  An overview of your mouth. Color of the lips, examination of the right and the lump, the unexplained arches, tonsils and thistles.  Examination of the ears. Sensitivity of the mastoid, rough hearing sensation. (5 h)  **4. Neck check.**  Door shape, actuation and passive mobility, inspection of the arterial and venous vessels of the neck, palpation of the thyroid gland. (5 h)  **5. Overview of the chest and spinal column.**  Inspection of symmetry and chest shape. Inspection, palpation and percussion of the spinal column and pectoral bone. Inspection of interracial spaces and epigastrium. Respiratory mobility of hemitoracic and palpitations of fremitus. Breast examination. (5 h)  **6, Lung Review.**  Percussion-boundary, topographical and comparative. specificity of the percutaneous finding in infiltrative lung diseases and pulmonary membranes (5 hours)  **7. Lung examination.** Auscultation, normal breathing noise, pathological breathing noise, the occurrence of contiguous noise (low-visibility, high-visibility, late-pyrimetric cracks, inspiratory-explosive cracks), pleural tarege and pleural creaking. (5 h)  **8. Heart and blood vessels examination.**  Palpation of peripheral pulses and their characteristics. Measurement of arterial blood pressure and measurement of central venous pressure. Inspection of the prefrontal area. Palpation of the ictus: localization, size and strength, flickering (thrill), reporting time and localization. Percussion of the heart. (5 h)  **9. Heart Auscultation.**  Rhythm of heart contraction (number and minute), heart tones, appearance of additional tones, gallop, finding of noises: reporting time, character, intensity, punctum maximum, directions of propagation. (5 h)  **10. Overview of the abdomen.**   Position of the abdominal wall, skin inspection, abdominal reflexes.  Palpation-superficial and deep with determining the specificity of sensitive points. Percussion-presence of free liquid, meteorism. Auscultation-peristaltics and forests of the abdominal aorta. (5 h)  **11. Liver and spleen examination.**  Determination of the position of the same in relation to the arch and size measurement in the centimeters. Consistency, painful sensitivity, condition of the surface and edges. (5 h**)**  **12. Overview of the urogenital system.**  Percussion of the kidneys. Lumbar contact. Palpation of the urethral region. (5 h)  **13. Overview of the nervous system.**  Examination of physiological reflexes. Theory of pathological reflexes and movements. In the equilibrium and walking of patients. (5 h) | | | | | | | | | | | | | | | |
| **Compulsory literature** | | | | | | | | | | | | | | | | | |
| **Author/s** | | | | **Publication title/Publisher** | | | | | | | | | **Year** | | **Pages (from-to)** | | |
| Lynn Bickley | | | | Bates Guide to Physical Examination and History taking, 11th ed.Lippicott Wiliams and Wilkins | | | | | | | | | 2013 | |  | | |
| Epstein O, Perkin G,Cookson J et al. | | | | Clinical Examination, 4th edition, Mosby | | | | | | | | | 2008 | |  | | |
| **Additional literature** | | | | | | | | | | | | | | | | | |
| **Author/s** | | | | **Publication title/Publisher** | | | | | | | | | **Year** | | | **Pages (from-to)** | |
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| **Student responsibilities, types of student assessment and grading** | | **Grading policy** | | | | | | | | | | | | **Points** | | | **Percentage** |
| Pre-exam activities | | | | | | | | | | | | | | | |
| lecture/exercise attendance | | | | | | | | | | | | 20 | | | 20% |
| Case study – group work | | | | | | | | | | | | 10 | | | 10% |
| Practical work | | | | | | | | | | | | 20 | | | 20% |
| Final exam | | | | | | | | | | | | | | | |
| Practical exam | | | | | | | | | | | | 25 | | | 25% |
| Written test | | | | | | | | | | | | 25 | | | 25% |
| TOTAL | | | | | | | | | | | | 100 | | | 100 % |
| **Certification date** | | December 13 th 2018 | | | | | | | | | | | | | | | |

\* the number of necessary rows is added by using *insert mode*

1. The coefficient of student workload So is calculated as it follows:

   а) for the study programs not going through the licensing process: So = (total workload in semester for all of the subjects 900 hrs – total teaching workload L+E in semester for all of the subjects 870 hrs)/ total teaching workload L+E in semester for all of the subjects \_\_\_\_\_ hrs = \_\_\_\_. Consult form content and its explanation.

   b) for the study programs going through the licensing process, it is necessary to use form content and its explanation. [↑](#footnote-ref-2)