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| **Content of classes** **Department and Clinic of Endocrinology, Diabetes and Isotope Therapy** |
| **Lectures**1. Osteoporosis 2. Neuroendocrine tumors of gastrointestinal tract 3. Presentation of interesting cases |
| **Practical classes – winter semester (6 h)**1. **Hyperthyroidisms –** pathophysiology, clinical signs and symptoms, physical examination, examination of the thyroid gland, interpretation of the laboratory results. **Hypothyroidisms, thyroiditis:** etiology and pathophysiology, classification, clinical signs and symptoms, physical examination. **Diffuse goiter** **and multinodular goiter** – definition, epidemiology, clinical characteristics, diagnostic procedures. **Thyroid cancer:** prevalence, etiology and pathogenesis, risk factors, classification, clinical characteristics, diagnosis.
2. **Glucose metabolism disorders. Diabetes mellitus**: epidemiology, pathogenesis, signs and symptoms, diagnostic criteria (Fasting glucose, Oral glucose tolerance test, protein C). Diabetes type 1 and type 2. Options for treatment. **Diseases of adrenal glands:** pathogenesis and etiology, signs and symptoms of hypercortisolaemia and insufficiency of adrenal glands, physical examination, principles of diagnosis (interpretation of laboratory assays, imaging diagnostics). **Hypertension due to** **endocrine disorders:**  pheochromocytoma, oral contraceptives, hypercortisolaemia, hyperaldosteronism – sings and symptoms, targeted diagnostics. **Disorders of calcium and phosphate metabolism:** primary and secondary hyperparathyroidism, hypoparathyroidism – etiology, pathogenesis, clinical symptoms. Physical examination. Principles of laboratory tests and imaging.

**Practical classes – summer semester (6 h)**1. **Disorders of hypothalamic-pituitary unit: the most frequent pathologies –** signs and symptoms, physical examination, principles of diagnosis. Clinical presentation of acromegaly, hyperprolactinemia, panhypopituitarism and diabetes insipidus. **Evaluation and treatment of menstrual irregularities:** etiology, clinical presentation, interpretation of laboratory tests and imaging. **Disorders of male reproductive system:** hypogonadotropic and hypergonadotropic hypogonadism, andropause – signs and symptoms, etiology, physical examination.
2. **Practical Training in the Department of Medical Simulation:** – hypoglycaemia, diabetic ketoacidosis, hyperosmolar hyperglycaemic state, hypercalcemia, hypocalcemia, hypometabolic crisis, hypermetabolic crisis, acute adrenal insufficiency – diagnosis and principles of treatment.
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| **Basic literature** (list according to importance, no more than 3 items)1. Greenspan’s basic and clinical endocrinology
2. Williams Textbook of Endocrinology

**Additional literature and other materials** (no more than 3 items)1. website: [www.endotext.org](http://www.endotext.org) |
| **Didactic resources requirements**  multimedia projector |
| **Preliminary conditions** Basic anatomy, physiology and pathophysiology  |
| **Conditions to receive credit for the course** Attendance and oral exam**Each absence must be made up, including rector’s days or dean’s hours.** |
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| **Grade:** | **Criteria for course** |
| Very Good (5.0) |  Activity in classes and oral exam much above the average |
| Good Plus (4.5) | Activity in classes and oral exam above the average |
| Good (4.0) | Activity in classes and oral exam average |
| Satisfactory Plus (3.5) |  Activity in classes and oral exam below the average |
| Satisfactory (3.0) | Activity in classes and oral exam much below the average |
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| **Grade:** | **Criteria for exam (if applicable)** |
| Very Good (5.0) |  |
| Good Plus (4.5) |  |
| Good (4.0) |  |
| Satisfactory Plus (3.5) |  |
| Satisfactory (3.0) |  |
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| **Name of unit teaching course:** | Department and Clinic of Endocrinology, Diabetes and Isotope Therapy |
| Address | Pasteura 4, 50-367 Wrocław |
| Phone | 71 784 25 45, 71 784 25 46 |
| E-mail | elzbieta.szubart@umed.wroc.pl |

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| **Person responsible for course:** | Justyna Kuliczkowska-Płaksej |
| Phone | 71 784 25 45, 71 784 25 46 |
| E-mail | justyna.kuliczkowska-plaksej@umed.wroc.pl  |

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| *List of persons conducting specific classes:* | *degree/scientific or professional title* | *Discipline* | *Performer profession* | *Form of classes* |
| Prof. Marek Bolanowski | MD, PhD | Internal Medicine Specialist, Endocrinologist | medical sciences, clinical medicine | practical classes with patient, lectures |
| Assoc. Prof. Jacek Daroszewski | MD, PhD | Internal Medicine Specialist, Endocrinologist, Diabetologist | medical sciences, clinical medicine | practical classes with patient, lectures |
| Aleksandra Jawiarczyk-Przybyłowska | MD, PhD | Internal Medicine Specialist, Endocrinologist | medical sciences, clinical medicine | practical classes with patient |
| Jowita Halupczok-Żyła | MD, PhD student |  | medical sciences, clinical medicine | practical classes with patient |
| Katarzyna Zawadzka | MD, PhD |  | medical sciences, clinical medicine | practical classes with patient |
| Marcin Kałużny | MD, PhD | Internal Medicine Specialist, Endocrinologist, Diabetologist | medical sciences, clinical medicine | practical classes with patient |
| Eliza Kubicka | MD, PhD | Internal Medicine Specialist, Endocrinologist | medical sciences, clinical medicine | practical classes with patient |
| Aleksandra Zdrojowy-Wełna | MD, PhD |  | medical sciences, clinical medicine | practical classes with patient |
| Anna Brona | MD, PhD | Internal Medicine Specialist, Endocrinologist | medical sciences, clinical medicine | practical classes with patient |
| Barbara Stachowska | MD, PhD | Internal Medicine Specialist, Endocrinologist | medical sciences, clinical medicine | practical classes with patient |
| Łukasz Gojny | MD, PhD student |  | medical sciences, clinical medicine | practical classes with patient |
| Łukasz Mizera | MD, PhD student |  | medical sciences, clinical medicine | practical classes with patient |
| Maja Jończyk | MD, PhD student |  | medical sciences, clinical medicine | practical classes with patient |
| Aleksandra Drabik | MD, PhD student |  | medical sciences, clinical medicine | practical classes with patient |
| Małgorzata Mach | MD, PhD student |  | medical sciences, clinical medicine | practical classes with patient |
| Justyna Kuliczkowska-Płaksej | MD, PhD | Internal Medicine Specialist, Endocrinologist | medical sciences, clinical medicine | practical classes with patient |