

SYLLABUS

The academic year when the cycle of instruction is commenced 2019-2025

Module/course name:	ENDOCRINOLOGY	Module code	LK.3.E.013
Faculty:	Faculty of Medicine MUL		
Major:	Medical		
Specialty:			
Level of study:	I (Bachelor studies) <input type="checkbox"/> II (Master studies) <input type="checkbox"/> Integrated Master studies X Doctoral studies <input type="checkbox"/>		
Mode of study:	full-time X		
Year of study:	I <input type="checkbox"/> II <input type="checkbox"/> III X IV <input type="checkbox"/> V <input type="checkbox"/> VI <input type="checkbox"/>	Semester:	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 X 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/>
Module/course type:	obligatory X elective <input type="checkbox"/>		
Language of instruction:	Polish <input type="checkbox"/> English X		

Form of education	Hours
Lecture	
Seminar	6
Laboratory class	24
E-learning	
Practical class	
Internship	
Other	
TOTAL	30
Student's work input (participation in class, preparation, evaluation, etc.)	Student's hourly workload
1. In class	30
2. Student's own work including:	22
1 Preparation for class	8
2 Preparation for partials and finals	
Summary of the student's workload	60
ECTS points for module/course	2

Educational objectives:

The matrix of learning outcomes for module/ subject with reference to verification methods of the intended educational outcomes and forms of instruction:

Learning outcome code	A student who has obtained a credit for the module/course has the knowledge/skill to:	Methods of verifying the achievement of the intended learning outcomes:	Form of instruction * provide the symbol
W01 E.W7.	knows and understands the causes, symptoms, diagnostic principles and therapeutic procedures in respect to the most common internal diseases in adults and their complications: <ul style="list-style-type: none"> - disorders of the endocrine system, including diseases of hypothalamus and pituitary gland, thyroid, parathyroid glands, adrenal cortex and core, ovaries and testes, neuroendocrine tumors, pluriglandular hypofunction, various types of diabetes and metabolic syndrome; hypoglycemia, obesity, dyslipidemia - water-electrolyte and acido-basic disturbances, dehydration, hyperhydration, acidosis and alkalosis in the case of acute diabetes 	test	S,PC
U01 EU16	plans diagnostic, therapeutic and prophylactic procedures	observation sheet	PC
U01 EU24	interprets laboratory tests and identifies the causes of deviations	observation sheet	PC
K01	prepares himself/herself for given classes	observation sheet	PC

EXAMPLES OF METHODS VERIFYING THE ACHIEVEMENT OF THE INTENDED LEARNING OUTCOMES:

In terms of knowledge: Oral exam (*non-standardized, standardized, traditional, problem-based*).

Written exam – the student produces/identifies answers)*essay, report; structured short-answer questions /SSQ/; multiple choice questions /MCQ/; multiple response questions /MRQ/; matching test; true/false test; open cloze test*)

In terms of skills: practical exam; Objective Structured Clinical Examination /OSCE/; Mini-CEX (mini – clinical examination completion of a given assignment; project, presentation.

In terms of social competences:

A reflective essay; an extended observation by a supervisor/tutor; 360-degree assessment (feedback from teachers, peers, patients, other co-workers); self-assessment (portfolio included).

Course content: (use keywords referring to the content of each class following the intended learning outcomes):

Lectures:

- Management of hyponatraemia
- Pheochromocytoma
- Thyroid carcinoma
- Treatment of diabetes – modern methods
- Neuroendocrine tumors

Seminar:

- Diabetes diagnosis, classification. Insulinotherapy
- Diabetes typus 2, treatment, complications
- Goiter. Hypothyroidism. Hyperthyroidism.
- Thyroiditis. Parathyroid glands
- Adrenocortical glands. Hypoadrenalism & hyperfunction. Incidental adrenal tumors
- Hypothalamus & pituitary disorders

Laboratory class:

- involving patients, discussing different cases, analysis of medical records, checking the students' practical and theoretical knowledge.

Detailed contents of laboratory classes :

"Diabetes – symptoms, diagnosis, and classification"

"The principles of treating diabetes. Monitoring the treatment. The criteria for diabetes control."

"Crises in diabetes."

"Nodular goiter. Hypothyroidism. Thyroid cancer."

"Diseases co-occurring with hyperthyroidism."

"Parathyroid diseases."

"Hyperfunction of the adrenal glands: Glucocorticoid Excess :Cushing's syndrome, Conn's syndrome."

"Diseases of the adrenal medulla: pheochromocytoma. Adrenocortical insufficiency, tumors."

"Endocrine gonad disorders."

"Diseases of the hypothalamus and pituitary. Diagnostic tests in diseases of the hypothalamus and pituitary."

Obligatory literature:

Clinical medicine, P.Kumar, Elsevier

Complementary literature:

Basic and Clinical Endocrinology, F.S. Greenspan [ed.], The Mac Graw Hill Company
Harrison's Principles of Internal Medicine", McGraw-Hill,

Requirements for didactic aids (e.g. laboratory, multimedia projector, others...)

multimedia projector, laptop

Conditions for obtaining a credit for the subject:

Methods of evaluation: The overall course grade will be determined by the results of in-class activity and final test-exam, which verify if the student acquired the knowledge, of the information as stated in the syllabus. A passing score confirms the satisfactory fulfilment of course requirements and is based on student's class attendance.

Exams

- The exam is conducted in the form of a test
- Questions for the exams will be drawn from reading and lectures.
- Regular classroom attendance, participation in class discussion and studying according to class objectives will contribute to student's success on the exams.
- In order to pass this course, each student must pass the final test examination with a grade of 60% or higher. There will be no exceptions to this rule.
- The use of electronic devices with electronic data bases is not permitted during exams unless specified by course coordinator.
- Exam takes place during the end-of-term.
- The student is informed about the criteria of evaluation before approaching the exam, additionally, the

student has the right to have an insight into his/her paper within 7 days from the release of examination results. If the exam is conducted in the form of a test, there is one set of questions for all students taking it at the same time.

- The date of the comprehensive test exam ought to be announced at least 2 weeks before the examination time. If a student does not appear at the exam, it is recorded in the protocol as "absent". A justification ought to be handed in or sent to the Dean's office within 3 days from the exam date. In case of unexcused absence, the Dean writes unsatisfactory mark (fail). After receiving Dean's approval, the examiner sets a new date. The same rules apply to pass, make up and commission exams. Exam results are available within up to 7 days but no later than 3 days before the make-up exam.

Grading scale: Course grades are dependent upon meeting the learning objectives and completing course requirements. Each student will receive the actual grade earned based on graded activities according to the designated evaluation criteria and percentages. Scores and final course grades will not be rounded up.

Course completion requirements:

Obtaining a positive final grade composed of the assessment of:

Knowledge – end-of-module test (60% of final grade)

Skills – observation sheet (30% of final grade)

Attitudes – observation sheet (10% of final grade)

The grading scale is listed below:

95-100%	5.0 (very good)
90-94%	4.5 (better than good)
80-89%	4.0 (good)
70-79%	3.5 (quite good)
60-69%	3.0 (satisfactory)
<60%	2.0 (unsatisfactory)

Attendance: Attendance is required. Student must participate in seminary/lab sessions according to the schedule. During the semester only 1 absence is possible. All excused absences from class must be reported. Participation performance will not be penalized for excused absences. In the case of absences with excuse in the form of seminars, labs or practical classes, the content of classes the student missed shall be made up according to the schedule given by the instructor.

Tardiness: Students are expected to arrive at class on time. 3 tardiness will be considered 1 complete absence.

Uniforms: Students will be in uniform (white coat) during practical class. Students are not permitted to wear head outside coats or jackets to the clinic.

- Using mobile phones during lectures is forbidden.

Missed exams/Assignments/Make-up policy: Student not present to take an assigned examination may receive a grade of zero (0) for that examination. The student may be allowed to make-up an examination under the following circumstances:

- Absence is due to serious illness/hospitalization of the student or an immediate family member. Documentation by a health care provider will be required at the time the student requests a make-up exam for the day of illness.
- Absence is due to family emergency, verified by a note from the professional person in attendance.
- Absence is due to a death in the immediate family. Documentation will be required.
- An absence that the faculty and/or Department Head deems as unavoidable.

To be eligible for a make-up exam in the above circumstances, the student must notify their instructor PRIOR to the absence, and must make arrangements within 48 hours after the absence for the retake. Faculty has the right to offer an alternative form of the exam.

The name and address of the department/clinic where the course is taught (module/course); contact details (phone number/ email address):

Endocrinology Department, Faculty of Medicine at the Medical University of Lublin,
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Signature of the head of the department/clinic

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Dean's signature

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