**SYLLABUS**

**regarding the qualification cycle** **FROM march 2024 TO September 2024**

1. Basic Course/Module Information

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| --- | --- |
| Course/Module title | Nutrition in endocrine and metabolic diseases |
| Course/Module code \* |  |
| Faculty (name of the unit offering the field of study) |  Medical College of Rzeszow University |
| Name of the unit running the course | Institute of Health Sciences |
| Field of study | Dietetics |
| Qualification level  | 1st degree |
| Profile | practical |
| Study mode | stationary |
| Year and semester of studies | II year, III semester |
| Course type | Dietetics course in English language |
| Language of instruction | English |
| Coordinator | Magdalena Zielińska, M.A. |
| Course instructor | Magdalena Zielińska, M.A. |

\* - as agreed at the faculty

1.1.Learning format – number of hours and ECTS credits

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Semester(n0.) | Lectures | Classes | Colloquia | Lab classes | Seminars | Practical classes | Internships | others | **ECTS credits** |
| III | 4 | 6 | - | - | - | - | - | - | 3 |

1.2. Course delivery methods

- conducted in a traditional way

1.3. Course/Module assessment (exam, pass with a grade, pass without a grade)

pass with a grade

2. Prerequisites

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| Basic knowledge of anatomy and physiology. |

3. Objectives, Learning Outcomes, Course Content, and Instructional Methods

3.1. Course/Module objectives

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| --- | --- |
| O1 | To understand the principles of nutrition in various non-infectious diseases |
| O2 | To develop the skill of creating nutritional plans and developing nutritional recommendations in selected diseases |
| O3 | To systematize and to deepen knowledge about nutrition in endocrine, metabolic and digestive system diseases |

3.2. Course/Module Learning Outcomes (to be completed by the coordinator)

|  |  |  |
| --- | --- | --- |
| Learning Outcome | The description of the learning outcome defined for the course/module | Relation to the degree programme outcomes |
| LO\_01 | Know the principles of dietary management in selected disease entities and their impact on the patient's nutritional status. |  K\_W06, k\_w11 |
| LO\_02 | Apply in the field of nutritional management in practice, conducts individual and group education | K\_U03 |
| LO\_03 | Planning, implementation and evaluation of menus in selected disease entities using nutrition standards depending on the patient's energy needs, age and health. | K\_U03 |
| LO\_04 | Demonstrate an attitude of respect for patient rights, work safety and compliance with professional ethics. | K\_K06 |

**3.3. Course content (to be completed by the coordinator)**

1. Lectures

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| Content outline |
| Nutrition in cardiovascular diseases. |
| Dietary management in gastrointestinal diseases. |
| Nutrition in selected endocrine units.  |

1. Classes, tutorials/seminars, colloquia, laboratories, practical classes

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| Content outline  |
| Assessment of nutrient and energy demand. |
| Evaluation and planning of nutritional intervention. |
| Nutritional education in various disease entities. |

3.4. Methods of Instruction

Lecture: a problem-solving lecture, a lecture supported by a multimedia presentation

Classes: text analysis and discussion/project work (research project, implementation project, practical project)/ group work (problem solving, case study, discussion)/didactic games

4. Assessment techniques and criteria

4.1 Methods of evaluating learning outcomes

|  |  |  |
| --- | --- | --- |
| Learning outcome | Methods of assessment of learning outcomes (e.g. test, oral exam, written exam, project, report, observation during classes) | Learning format (lectures, classes,…) |
| LO\_01 | test | L |
| LO\_o2 | projekct, observation during classes | CL |
| Lo\_03 | projekct, observation during classes | CL |
| Lo\_04 | projekct, observation during classes | CL |

4.2 Course assessment criteria

|  |
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| * + - 1. Full participation and evaluation of student activity during classes.
			2. Assessment of preparation for classes.
			3. Discussion during exercises.
			4. Project method.
			5. Test.

Grading:A\* 100- 95%A= 94- 90%B\* = 89- 85%B= 84- 80%C\* = 79- 75%C= 74- 70%D\* = 69- 65%D= 64- 60%F > 60% |

5. Total student workload needed to achieve the intended learning outcomes

– number of hours and ECTS credits

|  |  |
| --- | --- |
| Activity | Number of hours |
| Scheduled course contact hours | 10 |
| Other contact hours involving the teacher (consultation hours, examinations) |  |
| Non-contact hours - student's own work (preparation for classes or examinations, projects, etc.) | 65 |
| Total number of hours | 75 |
| Total number of ECTS credits | 3 |

\* One ECTS point corresponds to 25-30 hours of total student workload

6. Internships related to the course/module

|  |  |
| --- | --- |
| Number of hours | *-* |
| Internship regulations and procedures | *-* |

7. Instructional materials

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| Compulsory literature:1. Smith Jack (University of Delaware) ,Carr Timothy (University of Nebraska-Lincoln) ,Gropper Sareen (Florida Atlantic University), Gropper Sareen (Auburn University): Advanced Nutrition and Human Metabolism Smith Advanced Nutrition and Human Metabolism, Cengage Learning, Inc, (7th edition) 2017.
2. Joan Webster-Gandy (ed.), Angela Madden (ed.), Michelle Holdsworth (ed.): Oxford Handbook of Nutrition and Dietetics 3e (3rd edition), 2020.
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| Complementary literature:1. Latest scientific publications
2. https://www.who.int/nutrition/publications/nutrient/en/
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Approved by the Head of the Department or an authorised person