**SYLLABUS**

**regarding the qualification cycle FROM 2024/2025 TO 2024/2025**

1. Basic Course/Module Information

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| --- | --- |
| Course/Module title | Additives influencing the quality of cosmetics |
| Course/Module code \* |  |
| Faculty (name of the unit offering the field of study) | College of Natural SciencesInstitute of Food Technology and Nutrition  |
| Name of the unit running the course | Department of Food Technology and Human Nutrition |
| Field of study | Product development manager |
| Qualification level  | First degreeSecond degree |
| Profile | General academic |
| Study mode | stationary |
| Year and semester of studies | 2024/2025Summer semester |
| Course type | Erasmus + program |
| Language of instruction | English |
| Coordinator | Greta Adamczyk Ph.D. |
| Course instructor | Greta Adamczyk Ph.D. |

\* - 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**  |
| Summer |  |  |  | 30 |  |  |  |  | 5 |

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 without a grade

2. Prerequisites

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| Completed course: organic and non-organic chemistry |

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

3.1. Course/Module objectives

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| --- | --- |
| O1 | Familiarization with the classification of cosmetic additives, their functional properties and application to individual groups of cosmetics. Determining the impact of additional substances on the quality of the finished product. |
| O2 | Familiarization with the health safety of using additional substances. |

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 | Is able to use additional substances in cosmetics and use them to shape the quality of the final product, taking into account its health safety |  K\_U01; K\_U02; K\_U03;  |
| LO\_02 | Is ready to critically assess the impact of the additive on the qualitative and economic aspects of the final product | K\_K01; K\_K03 |

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

1. Lectures

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| Content outline |
|  |

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

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| Content outline  |
| Dyes – natural and synthetic in the production of cosmetics. Health safety of coloring substances. |
| Substances shaping the structure of cosmetic products - creams and gels. |
| Substances shaping the structure of cosmetic products - soaps and other cleaning agents |
| Fragrances in the production of cosmetics.  |
| Preservatives and antioxidants |
| Medicinal plants as additives shaping the quality of selected cosmetics |
| The use of plant waste products to shape the quality of selected cosmetic products. |

3.4. Methods of Instruction

Laboratory

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 | discussion, report, project | Laboratory |
| LO-o2 | discussion, report, project | Laboratory |

4.2 Course assessment criteria

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| A prerequisite for passing a course is the achievement of all the assumed learning outcomes. A positive grade in the course is determined by the number of points obtained in examinations (>50% of the maximum number of points): 2,0 (f) <=50 % 3,0 (e) 51 - 65%; 3,5 (d) 66 - 75%, 4,0 (c) 76 - 85%, 4,5 (b) 86 - 92%; 5,0 (a) 93 - 100%.  |

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 | 30 |
| Other contact hours involving the teacher (consultation hours, examinations) | 20 |
| Non-contact hours - student's own work (preparation for classes, making reports, project) | 75 |
| Total number of hours | 125 |
| Total number of ECTS credits | 5 |

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

6. Internships related to the course/module

|  |  |
| --- | --- |
| Number of hours | 0 |
| Internship regulations and procedures | 0 |

7. Instructional materials

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| Compulsory literature: 1. Handbook of cosmetic science and technology / edited by Andre´ O. Barel, Marc Paye, Howard I. Maibach. — 3rd ed. 2009. ISBN-13: 978-1-4200-6963-1 ( |
| Complementary literature: 1. Board N.I.I.R. Modern Technology of Cosmetics. Asia Pacific Business Press Inc. ISBN: 8178330814. 2017 |

Approved by the Head of the Department or an authorised person