**Annex 6**

# SUBJECT OUTLINE

**1. Information on the study programme**

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| 1.1 Academic institution | **UNIVERSITY OF ORADEA** |
| 1.2 Faculty | **FACULTY OF ENVIRONMENTAL PROTECTION** |
| 1.3 Department | **Food Engineering** |
| 1.4 Field of study | **Engineering sciences** |
| 1.5 Cycle of study | **License** |
| 1.6 Study programme/Qualification | **Technology of agricultural products processing** |

**2. Information on the discipline**

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|---|---|---|---|---|---|---|---|
| 2.1 Name of discipline | | | | **Applied computer science** | | | |
| 2.2 Course holder | | | | **Professor. PhD. Curilă Mircea** | | | |
| 2.3 Seminar/Laboratory/Project holder | | | | **Assistant Lecturer PhD Adela Olimpia Todea** | | | |
| 2.4 Year of study | 1 | 2.5 Semester | 1 | 2.6 Type of evaluation | Summative | 2.7 Regime of discipline | |

(C) Compulsory; (O) Optional; (E) Elective

**3. Total estimate time** (hours per semester of didactic activities)

| | | | | | |
|---|---|---|---|---|---|
| 3.1 Number of hours per week | 4 | out of which: 3.2 course | 2 | out of which 3.3 seminar/laboratory/project | 2 |
| 3.4 Total hours in the curriculum | 56 | out of which: 3.5 course | 28 | out of which 3.6 seminar/laboratory/project | 28 |
| Time allotment | | | | | |
| Study assisted by manual, course support, bibliography and notes | | | | | **20** |
| Additional documentation in the library/ on specialised electronic platforms and in the field | | | | | **10** |
| Preparation of seminars/laboratories/ topics/reports, portfolios and essays | | | | | **10** |
| Tutorship | | | | | **2** |
| Examinations | | | | | **2** |
| Other activities..... | | | | | **12** |
| **3.7 Total hours of individual study** | **48** | | | | |
| **3.9 Total hours per semester** | **48** | | | | |
| **3.10 Number of credits** | **4** | | | | |

**4. Pre-requisites** (where appropriate)

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| 4.1 curriculum | Use of databases and their management |
| 4.2 competences | Employment skills |

**5. Conditions** (where appropriate)

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|---|---|
| 5.1. related to course | - |
| 5.2. related to seminar/laboratory/ project | Presentation using marker, board, computer |

| **6. Specific competences acquired** | |
|---|---|
| Professional competences | ▪ Organizing and carrying out the activity of counseling and professional orientation focused on the development of professional skills with the involvement of labor market representatives |
| Transversal competences | ▪ Critical thinking, problem solving, reasoning, analysis, interpretation, synthesis of information;<br>▪ Written and oral communication, public speaking and presentation, listening;<br>▪ ·Research skills and practices, questioning. |

**7. Objectives of discipline** (coming from the specific competences acquired)

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| 7.1 General objective | ▪ The development of logical thinking and the acquisition by students of statistical and mathematical notions and methods - theoretical foundation for specialized disciplines.<br>▪ Assimilation of basic knowledge from the Office package indispensable for the qualification of engineer, as well as knowledge and skills for the statistical processing of the acquired experimental data.<br>▪ Preparing and initiating students for employment. |
| 7.2 Specific objectives | ▪ Efficient use of information sources and communication and training resources.<br>▪ Carrying out efficiently organized team activities.<br>▪ Applying rigorous and efficient work norms, responsible attitude towards science, concern for the creative and optimal realization of their potential in specific situations, respecting the principles and norms of professional ethics |

**8. Contents*/**

| 8.1 Course | Methods of teaching | No. of hours/Remarks |
|---|---|---|
| - | - | - |
| Bibliography - | | |
| 8.2 Seminar | Methods of teaching | No. of hours/ Remarks |
| - | | |
| Bibliography - | | |

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| 8.3 Laboratory | | |
| -Presentation of the Office package | Interactive lecture using computer, blackboard and marker, examples on food and interdisciplinary disciplines with other areas of the related curriculum | 2 |
| -Creating, editing, formatting a table in Excel | Practical applications, proposed problems. Practical examples from everyday life and applications on contemporary food | 2 |
| -Graphics, diagrams, numeric data, editing and formatting in Excel | Interactive lecture using computer, blackboard and marker, examples on food and interdisciplinary disciplines with other areas of the related curriculum | 2 |
| -Creating a template in Access | Practical applications, proposed problems. Practical examples from everyday life and applications on contemporary food | 2 |
| -Integrity and data constraint in Access | Interactive lecture using computer, blackboard and marker, examples on food and interdisciplinary disciplines with other areas of the related curriculum | 2 |
| -Links or relationships between tables | Practical applications, proposed problems. Practical examples from everyday life and applications on contemporary food | 2 |
| -Import of files | Interactive lecture using computer, blackboard and marker, examples on food and interdisciplinary disciplines with other areas of the related curriculum | 2 |
| -Export files | Practical applications, proposed problems. Practical examples from | 2 |

| | | |
|---|---|---|
| | everyday life and applications on contemporary food | |
| -Creating a Report | Interactive lecture using computer, blackboard and marker, examples on food and interdisciplinary disciplines with other areas of the related curriculum | 2 |
| -Formating reports and editing them | Practical applications, proposed problems. Practical examples from everyday life and applications on contemporary food | 2 |
| -Creating a form | Interactive lecture using computer, blackboard and marker, examples on food and interdisciplinary disciplines with other areas of the related curriculum | 2 |
| -Creating an invoice using the related tools | Practical applications, proposed problems. Practical examples from everyday life and applications on contemporary food | 2 |
| -Creating a query | Interactive lecture using computer, blackboard and marker, examples on food and interdisciplinary disciplines with other areas of the related curriculum | 2 |
| -Select data using Access queries | Practical applications, proposed problems. Practical examples from everyday life and applications on contemporary food | 2 |
| Bibliography<br>1. Carmen Daniliuc, Material de Studiu I.D. ,Matematică și Statistică ,Anul I, Semestrul I, Iași, 2007<br>2. Wayne Winston, Microsoft Excel 2019 Data Analysis and Business Modeling, Paperback , Microsoft Press, 2019<br>3. Laurie A. Ulrich, Access 2019 for Dummies, Paperback , For Dummies,2019. | | |
| 8.4 Project | | |
| - | | |

| Bibliography |
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* The content, respectively the number of hours allocated to each course / seminar / laboratory / project will be detailed during the 14 weeks of each semester of the academic year.

**9. Corroboration of discipline content with the expectations of the epistemic community, professional associations and representative employers from the field corresponding to the study programme**

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**10. Evaluation**

| Type of activity | 10.1 Evaluation criteria | 10.2 Evaluation methods | 10.3 Percentage of the final grade |
|---|---|---|---|
| 10.4 Course | - | - | - |
| 10.5 Seminar | - | - | - |
| 10.6 Laboratory | - | - | - |
| 10.7 Project | - | - | - |
| 10.8 Minimum standard of performance | | | |
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Date of completion

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Signature of course holder**

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Signature of seminar laboratory/project holder **
Assistant Lecturer PhD.
Adela Olimpia Todea

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Date of approval in the department

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Signature of the Head of Department

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Dean signature

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** - Name, first name, academic degree and contact details (e-mail, web page, etc) will be specified.

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Signature of the Head of Department***

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Dean Signature***

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*** - Name, first name, academic degree and contact details (e-mail, web page, etc) of the academic entity beneficiary of the Discipline Outline will be specified.

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