

"LUCIAN BLAGA" UNIVERSITY OF SIBIU
 FACULTY OF AGRICULTURAL SCIENCES, FOOD INDUSTRY AND ENVIRONMENT PROTECTION
 DOMAIN OF ACADEMIC LICENSE STUDIES: ENGINEERING AND MANAGEMENT
 SPECIALIZATION: HOTEL, CATERING AND TOURISM MANAGEMENT AND ENGINEERING
 LEVEL OF ACADEMIC QUALIFICATION: ENGINEER
 DURATION OF STUDIES: 4 YEARS
 EDUCATION FORM: FULL TIME

APPROVED BY THE RECTOR,
 Prof. Ioan BONDREA, Ph.D.

CURRICULUM

YEAR I

| No. | SUBJECT MATTERS | Code | Ist Semester | | | | | IInd Semester | | | | | | |
|--|---|---------------------|--------------|----------|----------|----------|-----------|----------------|-----------|----------|----------|----------|-----------|----------------|
| | | | C | S | L | P | FV | No. of credits | C | S | L | P | FV | No. of credits |
| FUNDAMENTAL SUBJECT MATTERS | | | | | | | | | | | | | | |
| 1. | Mathematical statistics | 39.08.22.F.01.I.001 | 2 | 2 | - | - | E | 4 | - | - | - | - | - | - |
| 2. | Organic Chemistry | 39.08.22.F.01.I.002 | 2 | - | 2 | - | E | 3 | - | - | - | - | - | - |
| | Food Chemistry | 39.08.22.F.02.I.002 | - | - | - | - | - | - | 2 | - | 1 | - | E | 4 |
| 3. | Analytical Chemistry | 39.08.22.F.01.I.003 | 2 | - | 1 | - | C | 3 | - | - | - | - | - | - |
| | Instrumental Analysis | 39.08.22.F.02.I.003 | - | - | - | - | - | - | 2 | - | 2 | - | E | 5 |
| 4. | Biophysics | 39.08.22.F.01.I.004 | 2 | - | 1 | - | E | 3 | - | - | - | - | - | - |
| 5. | General Chemistry | 39.08.22.F.01.I.005 | 2 | - | 1 | - | E | 3 | - | - | - | - | - | - |
| 6. | Computers programming and languages | 39.08.22.F.01.I.006 | 2 | - | 2 | - | C | 3 | - | - | - | - | - | - |
| | Computer Aided Graphics for Food Industry | 39.08.22.F.02.I.006 | - | - | - | - | - | - | 1 | - | 2 | - | C | 3 |
| 7. | Foundation of the economy | 39.08.22.F.01.I.007 | 2 | 1 | - | - | C | 4 | - | - | - | - | - | - |
| 8. | Biochemistry | 39.08.22.F.02.I.008 | - | - | - | - | - | - | 2 | - | 2 | - | E | 5 |
| PREPARATORY SUBJECT MATTERS | | | | | | | | | | | | | | |
| 9. | Topography | 39.08.22.D.02.I.009 | - | - | - | - | - | - | 2 | - | 1 | - | C | 3 |
| 10. | General management | 39.08.22.D.01.I.010 | 3 | 1 | - | - | E | 4 | - | - | - | - | - | - |
| 11. | Marketing | 39.08.22.D.02.I.011 | - | - | - | - | - | - | 2 | 2 | - | - | E | 4 |
| 12. | Mechanical Engineering I | 39.08.22.D.02.I.012 | - | - | - | - | - | - | 2 | 1 | - | - | E | 3 |
| SUPPLEMENTARY SUBJECT MATTERS | | | | | | | | | | | | | | |
| 13. | Foreign language I | 39.08.22.C.01.O.013 | 1 | 1 | - | - | C | 3 | - | - | - | - | - | - |
| | Foreign language II | 39.08.22.C.02.O.013 | - | - | - | - | - | - | 1 | 1 | - | - | C | 3 |
| Total compulsory hours per week | | | 17 | 4 | 8 | - | 5E | 30 | 14 | 4 | 8 | - | 5E | 30 |
| | | | 29 | | | | 4C | | 26 | | | | 3C | |
| 14. | Physical education I | 39.08.22.C.01.I.014 | - | 2 | - | - | <u>AR</u> | - | - | - | - | - | <u>A</u> | - |
| | Physical education II | 39.08.22.C.02.I.014 | - | - | - | - | - | - | - | 2 | - | - | <u>R</u> | - |

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CURRICULUM

YEAR II

| No. | SUBJECT MATTERS | Code | IIIrd Semester | | | | | IVth Semester | | | | | | |
|--|---------------------------------|--|----------------|----------|----------|----------|---------------|----------------|---|----------|----------|----------|-----------|----------------|
| | | | C | S | L | P | FV | No. of credits | C | S | L | P | FV | No. of credits |
| PREPARATORY SUBJECT MATTERS | | | | | | | | | | | | | | |
| 15. | Food Microbiology I | 39.08.22.D.03.I.015 | 2 | - | 2 | - | E | 4 | - | - | - | - | - | - |
| | Food Microbiology II | 39.08.22.D.04.I.015 | - | - | - | - | - | - | 4 | - | 2 | - | E | 6 |
| 16. | Food Biochemistry | 39.08.22.D.03.I.016 | 4 | - | 2 | - | E | 6 | - | - | - | - | - | - |
| 17. | Hygiena | 39.08.22.D.04.I.017 | - | - | - | - | - | - | 2 | - | 1 | - | C | 3 |
| 18. | Transfer Phenomena | 39.08.22.D.03.I.018 | 2 | 1 | - | - | E | 3 | - | - | - | - | - | - |
| 19. | Mechanical Engineering II | 39.08.22.D.03.I.012 | 2 | - | - | 1 | E | 3 | - | - | - | - | - | - |
| 20. | Electrical Engineering | 39.08.22.D.03.I.019 | 2 | - | 1 | - | C | 3 | - | - | - | - | - | - |
| 21. | Unit Operations and Equipments | 39.08.22.D.04.I.020 | - | - | - | - | - | - | 3 | - | 2 | - | E | 5 |
| 22. | Human Nutrition and Food Safety | 39.08.22.D.04.I.021 | - | - | - | - | - | - | 2 | - | 1 | - | E | 3 |
| 23. | General technologies | 39.08.22.D.04.I.022 | 4 | - | 2 | - | E | 6 | - | - | - | - | - | - |
| 24. | Industrial Training | 39.08.22.D.04.I.023 | - | - | - | - | - | - | 3 weeks x 5 days x 6 hrs./day = 90 hrs. | | | C | 3 | |
| SUPPLEMENTARY SUBJECT MATTERS | | | | | | | | | | | | | | |
| 25. | Foreign language I | 39.08.22.C.03.O.013 | 1 | 1 | - | - | C | 3 | - | - | - | - | - | - |
| | Foreign language II | 39.08.22.C.04.O.013 | - | - | - | - | - | - | 1 | 1 | - | - | C | 3 |
| OPTIONAL COURSE | | | | | | | | | | | | | | |
| 26. | Packet I | | 2 | 1 | - | - | C | 3 | 2 | 1 | - | - | E | 3 |
| | Economy and accounting | 39.08.22.D.03.O.024 39.08.22.D.04.O.024 | | | | | | | | | | | | |
| | Operational research | 39.08.22.D.03.O.025 39.08.22.D.04.O.025 | | | | | | | | | | | | |
| 27. | Packet II | | - | - | - | - | - | | 2 | 2 | - | - | E | 3 |
| | Managerial communication | 39.08.22.D.03.O.026 | | | | | | | | | | | | |
| | Professional Ethics | 39.08.22.D.03.O.027 | | | | | | | | | | | | |
| Total compulsory hours per week | | | 19 | 3 | 7 | 1 | 5E | 31 | 16 | 4 | 7 | - | 5E | 29 |
| | | | 30 | | | | 3C | 31 | 27 | | | | 3C | 29 |
| 28. | Physical education I | 39.08.22.C.03.I.014 | - | 2 | - | - | $\frac{A}{R}$ | - | - | - | - | - | - | - |

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CURRICULUM

YEAR III

| No. | SUBJECT MATTERS | Code | Vth Semester | | | | | | VIth Semester | | | | | |
|--|--|---------------------|--------------|----------|----------|-----------|-----------|----------------|---|----------|-----------|------------|-----------|----------------|
| | | | C | S | L | P | FV | No. of credits | C | S | L | P | FV | No. of credits |
| FUNDAMENTAL SUBJECT MATTERS | | | | | | | | | | | | | | |
| 29. | Geography | 39.08.22.D.05.I.028 | 2 | 1 | - | - | C | 3 | - | - | - | - | - | - |
| PREPARATORY SUBJECT MATTERS | | | | | | | | | | | | | | |
| 30. | Refrigeration and air conditioning in hotel, catering and agro-tourism | 39.08.22.D.05.I.029 | 3 | - | 1 | - | E | 4 | - | - | - | 2 | Pr | 2 |
| 31. | Industrial Training | 39.02.01.D.06.I.023 | - | - | - | - | - | - | 3 weeks x 5 days x 6 hrs./day = 90 hrs. | | | C | 4 | |
| SPECIALIZATION SUBJECT MATTERS | | | | | | | | | | | | | | |
| 32. | Equipment for hotel, catering | 39.08.22.S.05.I.030 | 2 | - | 1 | - | E | 3 | 2 | - | 1 | - | E | 3 |
| 33. | Gastronomy bases | 39.08.22.S.05.I.031 | 3 | - | 1 | - | E | 4 | - | - | - | - | - | - |
| 34. | Drinks in hotel, catering | 39.08.22.S.06.I.032 | - | - | - | - | - | - | 2 | - | 1 | - | C | 4 |
| 35. | Vegetable products in hotel, catering | 39.08.22.S.06.I.033 | - | - | - | - | - | - | 2 | - | 1 | - | E | 3 |
| 36. | Milk products in hotel, catering | 39.08.22.S.06.I.034 | - | - | - | - | - | - | 2 | - | 1 | - | E | 3 |
| 37. | Meat products in hotel, catering | 39.08.22.S.06.I.035 | - | - | - | - | - | - | 2 | - | 1 | - | E | 3 |
| 38. | Sugar products and confectionery in hotel, catering | 39.08.22.S.06.I.036 | - | - | - | - | - | - | 2 | - | 1 | - | E | 3 |
| 39. | Bakery and flour products and pastry in hotel, catering | 39.08.22.S.06.I.037 | - | - | - | - | - | - | 2 | - | 1 | - | E | 4 |
| 40. | Catering products | 39.08.22.S.06.I.038 | - | - | - | - | - | - | 2 | - | 2 | - | C | 4 |
| 41. | Economic Analysis | 39.08.22.S.05.I.039 | 2 | 1 | - | - | C | 3 | - | - | - | - | - | - |
| OPTIONAL COURSE | | | | | | | | | | | | | | |
| PREPARATORY SUBJECT MATTERS | | | | | | | | | | | | | | |
| 42. | Packet III | | 2 | - | 1 | - | E | 3 | - | - | - | - | - | - |
| | Maintenance management | 39.08.22.D.05.O.040 | | | | | | | | | | | | |
| | Management and environmental engineering | 39.08.22.D.05.O.041 | | | | | | | | | | | | |
| 43. | Packet IV | | 2 | 1 | - | - | E | 3 | - | - | - | - | - | - |
| | Finance, credits | 39.08.22.D.05.O.042 | | | | | | | | | | | | |
| | Investments and efficiency | 39.08.22.D.05.O.043 | | | | | | | | | | | | |
| SPECIALIZATION SUBJECT MATTERS | | | | | | | | | | | | | | |
| 44. | Packet V | | - | - | - | - | - | - | 2 | 2 | - | - | E | 4 |
| | Business economy | 39.08.22.S.06.O.044 | | | | | | | | | | | | |
| | Economic environment | 39.08.22.S.06.O.045 | | | | | | | | | | | | |
| Total compulsory hours per week | | | 16 | 3 | 4 | - | 5E | | 18 | 2 | 9 | 2 | 7E | 37 |
| | | | 23 | | | 2C | 23 | 26 | | | 3C | 1Pr | | |
| DISCIPLINE FACULTATIVE | | | | | | | | | | | | | | |
| 45. | Packet F1 | | - | - | - | - | - | - | 2 | - | 2 | - | E | 4 |
| | Ethnogastronomy | 39.08.22.S.06.O.046 | | | | | | | | | | | | |
| | Equine exploitation technologies. Riding | 39.08.22.S.06.O.047 | | | | | | | | | | | | |

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**CURRICULUM
 YEAR IV**

| No. | SUBJECT MATTERS | Code | VIIth Semester | | | | | | VIIIth Semester | | | | | |
|--|---|--|----------------|---|---|---|------------------|----------------|---|---|---|----|-----------------|----------------|
| | | | C | S | L | P | FV | No. of credits | C | S | L | P | FV | No. of credits |
| PREPARATORY SUBJECT MATTERS | | | | | | | | | | | | | | |
| 46. | Ensuring quality and food safety | 39.08.22.D.07.I.048 | 3 | - | 2 | - | E | 5 | - | - | - | - | - | - |
| 47. | Law and economic legislation | 39.08.22.D.07.I.049 | 2 | 1 | - | - | C | 3 | - | - | - | - | - | - |
| 48. | Management information systems | 39.08.22.D.08.I.050 | - | - | - | - | - | - | 2 | - | 1 | - | C | 3 |
| 49. | Project management | 39.08.22.D.08.I.051 | - | - | - | - | - | - | 2 | - | - | 1 | C | 3 |
| SPECIALIZATION SUBJECT MATTERS | | | | | | | | | | | | | | |
| 50. | Management of production and services in the restaurants, hotels, catering and agro-tourism | 39.08.22.S.07.I.052 | 2 | - | - | 1 | E | 3 | - | - | - | - | - | - |
| 51. | Drinks in hotel, catering | 39.08.22.S.07.I.053 | 2 | - | 1 | - | E | 3 | - | - | - | - | - | - |
| 52. | Small and medium business development in the restaurants, hotels, catering and agro-tourism | 39.08.22.S.07.I.054 | 2 | - | - | 1 | E | 3 | - | - | - | - | - | - |
| 53. | Marketing research in the restaurants, hotels, catering and agro-tourism | 39.08.22.S.07.I.055 | 2 | - | 1 | - | C | 3 | - | - | - | - | - | - |
| 54. | Food Additives | 39.08.22.S.08.I.056 | - | - | - | - | - | - | 2 | - | 1 | - | E | 3 |
| 55. | Agrotourism activities and services | 39.08.22.S.08.I.057 | - | - | - | - | - | - | 2 | - | 1 | - | E | 3 |
| 56. | Legislation for Consumer Protection | 39.08.22.S.08.I.058 | - | - | - | - | - | - | 1 | 1 | - | - | C | 3 |
| 57. | Elaboration Drafting Diploma | 39.08.22.S.08.I.059 | - | - | - | - | - | - | 3 weeks x 5 days x 6 hrs./day = 90 hrs. | | | Pr | 3 | |
| OPTIONAL COURSE | | | | | | | | | | | | | | |
| PREPARATORY SUBJECT MATTERS | | | | | | | | | | | | | | |
| 58. | Packet VI | | 2 | - | 1 | - | E | 3 | 2 | - | 1 | 1 | E | 4 |
| | Design and facilities operation in hotel, catering and agro-tourism | 39.08.22.D.07.O.060 39.08.22.D.08.O.060 | | | | | | | | | | | | |
| | Architecture and building in agro-tourism units | 39.08.22.D.07.O.061 | | | | | | | | | | | | |
| 59. | Packet VII | | - | - | - | - | - | - | 2 | - | 1 | | E | 3 |
| | Strategical management | 39.08.22.D.08.O.062 | | | | | | | | | | | | |
| | Technologies for rural development | 39.08.22.D.08.O.063 | | | | | | | | | | | | |
| 60. | Packet VIII | | - | - | - | - | - | - | 2 | 2 | - | - | C | 4 |
| | Management of human resources | 39.08.22.D.08.O.064 | | | | | | | | | | | | |
| | Management of labor relations and occupational safety | 39.08.22.D.08.O.065 | | | | | | | | | | | | |
| SPECIALIZATION SUBJECT MATTERS | | | | | | | | | | | | | | |
| 61. | Packet IX | | 2 | - | 1 | - | C | 3 | - | - | - | - | - | - |
| | Rural tourism | 39.08.22.S.07.O.066 | | | | | | | | | | | | |
| | Community agricultural policies | 39.08.22.S.07.O.067 | | | | | | | | | | | | |
| | Spatial planning in agro-tourism | 39.08.22.S.07.O.068 | | | | | | | | | | | | |
| 62. | Packet X | | - | - | - | - | - | - | 1 | 2 | - | - | C | 3 |
| | Tourism and international relations | 39.08.22.S.08.O.069 | | | | | | | | | | | | |
| | Institutions, mechanisms and European Community terminology | 39.08.22.S.08.O.070 | | | | | | | | | | | | |
| 63. | Technological project in hotel, catering and agro-tourism | 39.08.22.S.08.O.071 | - | - | - | 2 | Pr | 2 | | | | | | |
| Total compulsory hours per week | | | 17 | 1 | 7 | 3 | 5E 3C 1Pr. | 28 | 16 | 5 | 5 | 2 | 5E 4C 1Pr | 32 |
| 63. | License Exam | | - | - | - | - | - | - | - | - | - | - | E | 10 |

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