#### 1. Educational Program in specialty 242 «Tourism» (Specialization «Economics and Tourism Organization»)

|                              | 1 – General information                                                                                                                     |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Full name of IHE and         | State University of Trade and Economics Faculty                                                                                             |
| structural unit              | of Restaurant, Hotel and Tourism Business                                                                                                   |
|                              | Department of Tourism and Recreation                                                                                                        |
| Academic degree and          | Bachelor's degree in higher education                                                                                                       |
| qualification title in the   | specialty "Tourism"                                                                                                                         |
| original                     | specialization "Economics and Tourism Organization"                                                                                         |
| Educational Program<br>Title | «Economics and Tourism Organization»                                                                                                        |
| Diploma type and volume      | Bachelor's degree, 240 credits ECTS,                                                                                                        |
| of the program               | Training period 3 year 10 months                                                                                                            |
| Accreditation                | Accreditation in the specialty 242 "Tourism", ND certificate №                                                                              |
|                              | 1196406 dated 21.11.2017                                                                                                                    |
|                              | Valid until 01.07.2021 MES of Ukraine, Ukraine                                                                                              |
|                              | Ministry of Education and Science of Ukraine, for the period until                                                                          |
|                              | July 1, 2021                                                                                                                                |
|                              |                                                                                                                                             |
| Cycle/Level                  | HPK Ukraine– 6 level, FQ-EHEA – first cycle, EQF LLL – 6                                                                                    |
| Cycle/Level                  | level                                                                                                                                       |
|                              |                                                                                                                                             |
|                              |                                                                                                                                             |
|                              |                                                                                                                                             |
| Preconditions                | Availability of a complete general secondary education / junior                                                                             |
|                              | specialist's degree                                                                                                                         |
| Language(s) of instruction   | Ukrainian                                                                                                                                   |
| Duration                     | 01.07.21 p.                                                                                                                                 |
| Educational Program          | https://knute.edu.ua                                                                                                                        |
| Link                         |                                                                                                                                             |
| Farmedian of annual and      | 2 – Educational program aim                                                                                                                 |
| _                            | professional competencies for the successful implementation of<br>l, economic, design, production and technological activities in the field |
| of tourism and recreation.   | in, economic, design, production and technological activities in the field                                                                  |
|                              |                                                                                                                                             |
| 3                            | - Характеристика освітньої програми                                                                                                         |
| Subject Area (Field of       | Field of study 24 "Sphere of service"                                                                                                       |
| study, speciality, and       | Specialty 242 "Tourism"                                                                                                                     |
| specialization)              | Specialization " Economy and Tourism Organization "                                                                                         |
|                              |                                                                                                                                             |
|                              |                                                                                                                                             |
|                              |                                                                                                                                             |
|                              |                                                                                                                                             |
|                              |                                                                                                                                             |
|                              |                                                                                                                                             |
| Educational Program          | Educational and professional with applied orientation. Professional                                                                         |
|                              | Descentional and professional with applied orientation. I foressional                                                                       |

| Orientation             | (specialization) aspects of the program contain the formation of        |
|-------------------------|-------------------------------------------------------------------------|
|                         | knowledge and skills in organizational, economic, production and        |
|                         | management activities in the field of tourism and recreation;           |
|                         | organization and economics of tourism and recreation business.          |
| The main focus of the   | Special education in the field of tourism in the specialty 242          |
| educational program and | "Tourism".                                                              |
| specialization          | Key words: organization of tourism, economics of tourism, tourism       |
| specialization          | management, marketing in tourism, hotel business, restaurant            |
|                         |                                                                         |
|                         | business, tourist and recreational local lore, excursion business,      |
|                         | information systems and technologies in tourism.                        |
|                         |                                                                         |
|                         |                                                                         |
| Specific Requirements   | Annual vocational training, study of several foreign languages; one-    |
|                         | semester study within the framework of international mobility is        |
|                         | recommended; internship abroad.                                         |
|                         | The program is implemented in the Ukrainian language of instruction.    |
|                         | The program reflects the loyalty provided by the Law of Ukraine "On     |
|                         | Higher Education" in the context of academic autonomy.                  |
|                         | right Education in the context of academic autonomy.                    |
|                         | 4 – Opportunities and Further Learning                                  |
|                         | · · · · · · · · · · · · · · · · · · ·                                   |
| Career Opportunities    | Types and names of economic activity,                                   |
|                         | for work which the bachelor is prepared for (according to the           |
|                         | National Classification of Ukraine "Classification of economic          |
|                         | activities DK 009: 2010"):                                              |
|                         | Section N. Activities in the field of administrative and support        |
|                         | services                                                                |
|                         | Section 79. Activities of travel agencies, tour operators, other        |
|                         | reservation services and related activities                             |
|                         |                                                                         |
|                         | Group 79.1 Activities of travel agencies and tour operators             |
|                         | Class 79.11. Activities of travel agencies                              |
|                         | Class 79.12. Activities of tour operators                               |
|                         | Group 79.9. Provision of other booking services and related activities  |
|                         | Class 79.90. Provision of other booking services and related activities |
|                         | Section R. Arts, sports, entertainment and recreation                   |
|                         | Section 93. Activities in the field of sports, recreation and           |
|                         | entertainment                                                           |
|                         | Group 93.2. Organization of recreation and entertainment                |
|                         | Class 93.21. Functioning of attractions and theme parks                 |
|                         | Class 93.29. Organization of other types of recreation and              |
|                         | entertainment                                                           |
|                         |                                                                         |
|                         | Professional titles of works (according to the National Classifier of   |
|                         | Ukraine "Classifier of professions DK 003: 2010"):                      |
|                         | 3414 Tourist service specialist                                         |
|                         | 3414 Tour operator                                                      |
|                         | 3414 Leisure specialist                                                 |
|                         | 3414 Specialized service specialist                                     |
|                         | 3436.1. Assistant to the head of the enterprise (institution,           |
|                         | organization)                                                           |
|                         | 3439 Inspector of Tourism                                               |
|                         | 2441.2 Economist in the field of tourism                                |
|                         |                                                                         |
|                         |                                                                         |

| Further Learning           | A graduate of the first level of higher education with a bachelor's degree in 242 "Tourism" can continue his studies at the second (master's) level of higher education, as well as improve their skills and receive additional education in certified programs and postgraduate programs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | 5 – Training and Assessment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Teaching and Learning      | Student-centered learning, self-learning, problem-oriented learning.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Teaching and Dearning      | Lectures, practical classes, independent work on the basis of<br>textbooks, manuals and lecture notes, training through vocational<br>training, consultations with teachers, preparation for the qualification<br>exam.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Assessment                 | Written exams, internships, term papers, presentations, individual<br>projects, certification and other types of work, which are evaluated in<br>accordance with the "Regulations on the organization of the students'<br>educational process" and "Regulations on the evaluation of students<br>and graduates' learning outcomes", approved by KNUTE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                            | 6 – Program Competences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Integral Competence (IC)   | The ability of a person to solve complex specialized problems and<br>practical problems in the field of tourism or in the learning process,<br>which involves the application of certain theories and methods of<br>economics and organization of tourism and is characterized by<br>complexity and uncertainty of conditions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| General Competence<br>(GC) | <ul> <li>GC01. Ability to actualize the rights and responsibilities as a member of society, to realize the values of civil (free democratic) society and the need for its sustainable development, the rule of law, human and civil rights and freedoms in Ukraine.</li> <li>GC02. Ability to preserve and increase moral, cultural, scientific values and achievements of society based on understanding the history and patterns of development of the subject area, its place in the general system of knowledge about nature and society and in the development of society, techniques and technologies, use different types and forms of physical activity for active recreation and a healthy lifestyle.</li> <li>GC03. Ability to search, process and analyze information from various sources.</li> <li>GC07. Ability to work in an international context.</li> <li>GC08. Skills in the use of information and communication technologies.</li> <li>GC09. Ability to identify, define and solve problems.</li> <li>GC10. Ability to communicate in the state language both orally and in writing.</li> <li>GC11. Ability to plan and manage time.</li> </ul> |

|                         | GC14. Ability to work in a team and independently.                          |
|-------------------------|-----------------------------------------------------------------------------|
| Professional Competence | PC15. Knowledge and understanding of the subject area and                   |
| (PC)                    | understanding of the professional activity, in particular economics         |
|                         | and organization of tourism.                                                |
|                         | PC16. Ability to apply knowledge in practical situations.                   |
|                         | PC17. Ability to analyze the recreational and tourist potential of the      |
|                         | territories.                                                                |
|                         | PC18. Ability to analyze the activities of tourism entities at all levels   |
|                         | of management.                                                              |
|                         | PC19. Understanding of the current trends and regional priorities of        |
|                         | tourism development in general and its individual forms and types.          |
|                         | PC20. Understanding of tourist trips organization and complex tourist       |
|                         | service (hotel, restaurant, transport, excursion, recreational).            |
|                         | PC21. Ability to develop, promote, sell and organize the consumption        |
|                         | of a tourist product.                                                       |
|                         | PC22. Understanding of principles, processes and technologies of the        |
|                         | organization of the subject's work of tourist activity and its              |
|                         | subsystems.                                                                 |
|                         | PC23. Ability to ensure the safety of tourists in ordinary and complex      |
|                         | force majeure.                                                              |
|                         | PC24. Ability to monitor, interpret, analyze and systematize tourist        |
|                         | information, present tourist information material.                          |
|                         | PC25. Ability to use information technologies and office equipment          |
|                         | in the work of tourist enterprises.                                         |
|                         | PC26. Ability to determine individual tourist needs, use modern             |
|                         | technologies of tourist service and conduct pretentious work.               |
|                         | PC27. Ability to cooperate with business partners and clients, the          |
|                         | ability to provide effective communication with them.                       |
|                         | PC28. Ability to work in an international environment based on a            |
|                         | positive attitude to dissimilarity to other cultures, respect for diversity |
|                         | and multiculturalism, understanding of local and professional               |
|                         | traditions of other countries, recognition of intercultural issues in       |
|                         | professional practice.                                                      |
|                         | PC29. Ability to act in the legal field, to be guided by the law.           |
|                         | PC30. Ability to work with documentation and carry out settlement           |
|                         | operations by the subject of tourist activity.                              |
|                         | 7 – Program Learning Outcomes (PLO)                                         |
|                         | PLO01. Know, understand and be able to use in practice the basic            |
|                         | statute of tourism legislation, national and international standards for    |
|                         | tourist services.                                                           |
|                         | PLO02. Know, understand and be able to use in practice the basic            |
|                         | concepts of economics and organization of tourism, organization of          |
|                         | the tourist process and tourist activities of the tourist services market,  |
|                         | as well as worldview and related sciences.                                  |
|                         | PLO03. Know and understand the basic forms and types of tourism,            |
|                         | their division.                                                             |
|                         | PLO04. Explain the organization features of recreational and tourist        |
|                         | space.                                                                      |
|                         | PLO05. Analyze the recreational and tourist potential of the territory.     |
|                         | PLO06. Apply in practice the principles and methods of organization         |
|                         | and technology of tourist services.                                         |

|                                                   | <ul> <li>PLO07. Develop, promote and sell a tourism product.</li> <li>PLO08. Identify tourist documentation and be able to use it correctly.</li> <li>PLO09. Organize the process of customer service for tourism services based on the use of modern information, communication and service technologies and compliance with quality standards and safety standards.</li> <li>PLO10. Understand the principles, processes and technologies of the organization of the tourism subject and its individual subsystems (administrative, managerial, socio-psychological, economic, technical and technological).</li> <li>PLO11. Know the state and foreign language (s) at a level sufficient for professional activity.</li> <li>PLO12. Apply skills of productive communication with consumers of tourist services.</li> <li>PLO13. Establish contacts with experts in tourism and other industries.</li> <li>PLO14. Show respect for individual and cultural diversity.</li> <li>PLO15. Show tolerance to alternative principles and methods of performing professional tasks.</li> <li>PLO16. Act in accordance with the principles of social responsibility and civic consciousness.</li> <li>PLO17. Manage training for self-realization in the professional tourism field.</li> <li>PLO18. Assess adequately knowledge and apply it in various professional situations.</li> <li>PLO20. Identify problem situations and suggest ways to solve them.</li> <li>PLO21. Make informed decisions and be responsible for the results of the professional activities.</li> </ul> |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                   | PLO22. Perform tasks professionally in uncertain and extreme                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                   | situations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 8 – R                                             | esource Support for Program Implementation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Academic staff                                    | Specialists who train bachelors in the educational program<br>"Economics and Organization of Tourism" have professional<br>knowledge and professional skills in the organization and economics<br>of tourism. Domestic and foreign specialists from the professional<br>environment are invited to conduct problem lectures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Facilities                                        | The educational process involves software packages and products of<br>the computer class "Tourism Business Management" and tools and<br>materials of the account "Tourism studies"; field trips, production<br>excursions, internships abroad are held.<br>Specific characteristics of logistical support also provide for the use<br>of laboratories of the KNUTE production complex, SMART-library<br>and VR-library, specialized laboratories and classrooms in teaching of<br>certain disciplines of the curriculum.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Informational, Teaching<br>and Learning Materials | General scientific and special sources of recreational-tourist and<br>economic information, educational-methodical and monographic<br>literature, author's developments of the teaching staff, cartographic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

|                          | sources, IT-technologies and platforms. Use of KNUTE virtual<br>learning environment, software: Amadeus global booking system,<br>Fidelio V8 hotel management information system, Parus:<br>Pidpryjemstvo software package, etc. |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                          | 9 – Academic Mobility                                                                                                                                                                                                            |
| National Credit Mobility | National credit mobility is carried out in accordance with the                                                                                                                                                                   |
|                          | concluded agreements on academic mobility.                                                                                                                                                                                       |
| International Credit     | International credit mobility is realized through the conclusion of                                                                                                                                                              |
| mobility                 | agreements on international academic mobility (including Erasmus +                                                                                                                                                               |
|                          | Option K1 / Credit mobility), on double graduation, on long-term                                                                                                                                                                 |
|                          | international projects involving student training and the issuance of a                                                                                                                                                          |
|                          | double diploma, etc.                                                                                                                                                                                                             |
| Training of Foreign      | Conditions and special aspects of the educational program in the                                                                                                                                                                 |
| Students                 | context of teaching foreign citizens: knowledge of the Ukrainian                                                                                                                                                                 |
|                          | language at a level not lower than B1.                                                                                                                                                                                           |

### 2. List of Educational Program Components and Their Logical Order

| Code                 | Educational Program Components (disciplines, term projects (papers), practical training, qualification exam, graduate paper) | Total Credits |
|----------------------|------------------------------------------------------------------------------------------------------------------------------|---------------|
| 1                    | (papers), practical training, quantication exam, graduate paper)                                                             | 3             |
| 1                    | (CC) Compulsory Components of EP                                                                                             | 5             |
| CC 1.                | Foreign language for professional purposes                                                                                   | 24            |
| CC 2.                | Philosophy                                                                                                                   | 6             |
| <u>CC 3.</u>         | Legal regulation of tourist activity                                                                                         | 6             |
| <u>CC 4.</u>         | Hotel business                                                                                                               | 6             |
| CC 5.                | Tourist and recreational local lore                                                                                          | 6             |
| <u>CC 6.</u>         | Information technologies in professional activity                                                                            | 6             |
| <u>CC 7.</u>         | Excursion business                                                                                                           | 6             |
| $\frac{CC 7}{CC 8}.$ | Restaurant business                                                                                                          | 6             |
| CC 0.                | Organization of tourism                                                                                                      | 0             |
| CC 9.                | Organization of tourism                                                                                                      | 12            |
| CC 9.1.              | KR on the organization of tourism                                                                                            |               |
| CC 10.               | Economic theory                                                                                                              | 6             |
| CC 11.               | Foreign language specialty                                                                                                   | 12            |
| CC 12.               | Marketing in tourism                                                                                                         | 6             |
| CC 13.               | Economics of tourism                                                                                                         | 12            |
| CC 14.               | KR on tourism economics                                                                                                      |               |
| CC 14.1              | Management in tourism                                                                                                        | 6             |
| CC 15.               | Communicative management                                                                                                     | 6             |
| CC 16.               | Information systems and technologies in tourism                                                                              | 6             |
| CC 17.               | StartUp-training                                                                                                             | 9             |
| CC 18.               | Specialized tourism                                                                                                          | 6             |
| CC 19.               | Accounting                                                                                                                   | 6             |
|                      | for Compulsory Components:                                                                                                   | 153           |
|                      | (OC) Optional Components of EP                                                                                               |               |
| OC 1.                | Analysis of economic activity                                                                                                | 6             |
| OC 2.                | Life safety                                                                                                                  | 6             |
| OC 3.                | Business planning                                                                                                            | 6             |
| OC 4.                | Commercial law                                                                                                               | 6             |
| OC 5.                | Design                                                                                                                       | 6             |
| OC 6.                | Second foreign language                                                                                                      | 42            |
| OC 7.                | Ecology                                                                                                                      | 6             |
| OC 8.                | Econometrics                                                                                                                 | 6             |
| OC 9.                | Economic psychology                                                                                                          | 6             |
| OC 10.               | Economic analysis                                                                                                            | 6             |
| OC 11.               | E-commerce                                                                                                                   | 6             |
| OC 12.               | Business ethics                                                                                                              | 6             |
| OC 13.               | Internet technologies in business                                                                                            | 6             |
| OC 14.               | Conflictology and psychology of business communication                                                                       | 6             |
| OC 15.               | Cultural heritage of Ukraine                                                                                                 | 6             |
| OC 16.               | Cultural and cognitive tourism                                                                                               | 6             |
| OC 17.               | Resort business                                                                                                              | 6             |
| OC 18.               |                                                                                                                              | 6             |

2.1. Educational Programme components list

| OC 19.             | International Economic Relations                  | 6     |
|--------------------|---------------------------------------------------|-------|
| OC 20.             | Public speaking                                   | 6     |
| OC 21.             | Business law                                      | 6     |
| OC 22.             | Politology                                        | 6     |
| OC 23.             | Legal regulation of tourism in the European Union | 6     |
| OC 24.             | Psychology                                        | 6     |
| OC 25.             | Psychology of leadership and career               | 6     |
| OC 26.             | Management psychology                             | 6     |
| OC 27.             | Recrealogy                                        | 6     |
| OC 28.             | Religious studies                                 | 6     |
| OC 29.             | World culture                                     | 6     |
| OC 30.             | Sociology                                         | 6     |
| OC 31.             | Startup management in tourism                     | 6     |
| OC 32.             | Statistics of the market of goods and services    | 6     |
| OC 33.             | Statistical methods of analysis and forecasting   | 6     |
| OC 34.             | Data analysis technologies                        | 6     |
| OC 35.             | Labor Law                                         | 42    |
| OC 36.             | Tourist cartography                               | 6     |
| OC 37.             | Equipment of tourist and recreational complex     | 6     |
| OC 38.             | Event technology in tourism                       | 6     |
| OC 39.             | Web-design and Web-programming                    | 6     |
| <b>Total Credi</b> | ts for Optional Components:                       | 60    |
|                    | Practical training                                |       |
| Practical trai     | ning 1                                            | 3     |
| Practical trai     | ning 2                                            | 3     |
| Practical trai     | ning 3                                            | 3     |
| Total              |                                                   | 18    |
|                    | Competence assessment                             | · · · |
| Preparation for    | the attestation exam and attestation              | 3     |
| Completion of      | final qualifying work and defense                 | 6     |
| Total numb         | er of credits                                     | 240   |

#### **3.** Certification form of applicants for higher education

Certification is carried out in the form of public defense of the qualification workand attestation exam.

Qualification work should include theoretical and analytical generalizations or solutions to practical problems in the field of tourism and recreation using theories and methods of tourism.

Qualification work must be checked for plagiarism.

Qualification work must be published on the official website of the higher education institution or its structural unit, or in the repository of the highereducation institution.

The attestation examination should be aimed at verifying the achievement of learning outcomes defined by this standard and the educational program.

| Cor<br>Cor                                      | mponents /<br>mpetences | CC1 | CC2 | CC3 | CC4 | CC5 | CC6 | CC7 | CC8 | CC9 | CC<br>10 | CC<br>11 | CC<br>12 | CC<br>13 | CC<br>14 | CC<br>15 | CC<br>16 | CC<br>17 | CC<br>18 | CC<br>19 |
|-------------------------------------------------|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                                                 | C01                     |     |     | +   |     |     |     |     |     |     |          |          |          |          |          |          |          |          |          |          |
|                                                 | C02                     |     | +   |     |     |     |     | +   |     | +   |          |          |          |          |          |          |          |          |          |          |
| s                                               | C03                     |     | +   |     |     |     |     |     |     |     |          |          |          |          | +        |          |          |          |          |          |
| General competencies                            | C04                     |     | +   |     |     |     | +   |     |     |     | +        |          |          |          |          |          |          |          |          |          |
| enc                                             | C05                     |     |     |     |     |     |     |     |     | +   |          |          |          |          |          |          |          |          |          |          |
| ete                                             | C06                     |     |     |     |     |     |     |     |     |     |          |          |          |          |          |          | +        |          |          |          |
| du                                              | C07                     |     |     |     |     |     |     |     |     | +   |          |          |          |          |          |          |          |          |          |          |
| 201                                             | C08                     |     |     |     |     |     |     |     |     |     |          |          |          |          |          |          | +        |          |          |          |
| al c                                            | C09                     |     |     |     |     |     |     |     |     | +   |          |          |          |          | +        |          |          |          |          |          |
| era                                             | C10                     |     | +   |     |     |     |     |     |     | +   |          |          |          |          | +        |          |          |          |          |          |
| en                                              | C11                     | +   |     |     |     |     |     |     |     |     |          | +        |          |          |          |          |          |          |          |          |
| 0                                               | C12                     |     |     |     |     |     |     |     |     |     |          |          |          |          | +        | +        |          |          |          |          |
|                                                 | C13                     |     |     |     |     |     |     |     |     |     |          |          |          |          | +        |          |          |          |          |          |
|                                                 | C14                     |     |     |     |     |     |     |     |     |     |          |          |          |          | +        | +        |          |          |          |          |
|                                                 | C15                     |     |     |     |     |     |     |     |     | +   |          |          | +        | +        |          |          |          |          | +        |          |
|                                                 | C16                     |     |     |     |     |     |     |     |     | +   |          |          | +        | +        |          |          |          | +        | +        |          |
| t)                                              | C17                     |     |     |     | +   | +   |     |     |     |     |          |          |          |          |          |          |          |          |          |          |
| jec                                             | C18                     |     |     |     |     |     |     |     |     |     |          |          | +        | +        | +        |          |          |          |          |          |
| qn                                              | C19                     |     |     |     |     | +   |     |     |     | +   |          |          |          | +        |          |          |          |          | +        |          |
| l, s<br>SS                                      | C20                     |     |     |     | +   |     |     | +   | +   | +   |          |          |          |          |          |          |          |          |          |          |
| professional,<br>competencies                   | C21                     |     |     |     |     |     |     |     |     | +   |          |          | +        |          |          |          |          |          |          |          |
| sio.                                            | C22                     |     |     |     |     |     |     |     |     | +   |          |          | +        | +        | +        |          |          | +        |          |          |
| ess                                             | C23                     |     |     | +   |     |     |     |     |     | +   |          |          |          |          |          |          |          |          |          |          |
| Jo.                                             | C24                     |     |     |     |     | +   |     |     |     | +   |          |          |          |          |          |          |          |          |          |          |
| co<br>co                                        | C25                     |     |     |     |     |     |     |     |     |     |          |          |          |          | +        |          | +        |          |          |          |
| Special (professional, subject)<br>competencies | C26                     | 1   |     |     |     |     |     |     | 1   |     |          |          | +        | +        |          |          |          |          |          |          |
| eci                                             | C27                     |     |     |     |     |     |     |     |     |     |          |          | +        |          | +        | +        |          |          |          |          |
| Spé                                             | C28                     |     |     |     |     |     |     |     |     |     |          | +        |          |          | +        | +        |          |          |          |          |
| <b>U</b> 1                                      | C29                     |     |     | +   |     |     |     |     |     | +   |          |          |          |          |          |          |          |          |          |          |
|                                                 | C30                     |     |     |     |     |     |     |     | 1   |     |          |          |          | +        |          |          |          | +        |          | +        |

### **4.1. Program Competences and Compulsory Components Matrix**

|                                              | npon<br>its / |     | 5   | ~   | 4   |          | 2   | -        | ~        |          | 0        | 1    | 2    | 3    | 4    | S        | 9    | 7        | 8    | 6    | 0    | 1    | 5    | 3    | 4    | 5    | 6    | 7    | 8    | 6    | 0    | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 6    |
|----------------------------------------------|---------------|-----|-----|-----|-----|----------|-----|----------|----------|----------|----------|------|------|------|------|----------|------|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                                              |               | 0P1 | 0C2 | 0C3 | 0C4 | 0C5      | 0C6 | 0C7      | OC8      | 0C9      | 0C10     | 0C11 | 0C12 | 0C13 | 0C14 | 0C15     | 0C16 | 0C17     | 0C18 | 0C19 | 0C20 | 0C21 | 0C22 | 0C23 | 0C24 | 0C25 | 0C26 | 0C27 | 0C28 | 0C29 | 0C30 | 0C31 | 0C32 | 0C33 | 0C34 | 0C35 | 0C36 | 0C37 | 0C38 | 0C39 |
|                                              |               | •   | •   | U   | Ŭ   | Ŭ        | Ŭ   | Ŭ        | Ŭ        | Ŭ        | 0        | 0    | 0    | 0    | 0    | 0        | 0    | 0        | C    | 0    | 0    | 0    | 0    | C    | 0    | С    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| en                                           | ces           |     |     |     |     |          |     |          |          |          |          |      |      |      |      |          |      |          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                                              | C01           |     |     |     |     |          |     |          |          |          |          |      |      |      |      |          |      |          |      |      |      |      | +    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| ŝ                                            | C02           |     |     |     |     |          |     |          |          |          |          |      |      |      |      | +        |      |          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| General competencies                         | C03           |     |     |     |     |          |     |          |          |          |          |      |      |      |      |          |      |          |      |      |      |      |      |      |      |      |      |      |      |      | +    |      |      |      |      |      |      |      |      |      |
| nc                                           | C04           |     |     |     |     |          |     |          |          |          |          |      |      |      |      |          |      |          | +    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| ite                                          | C05           |     |     |     |     |          |     | +        |          |          |          |      |      |      |      |          |      |          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| pe                                           | C06           | +   |     | +   |     |          |     |          | +        |          | +        |      |      |      |      |          |      |          |      |      |      |      |      |      |      |      |      |      |      |      |      |      | +    | +    | +    |      |      |      |      |      |
| В                                            | C07           |     |     |     |     |          |     |          |          |          |          |      |      |      |      |          |      |          |      | +    |      |      |      | +    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 8                                            | C08           |     |     |     |     |          |     |          |          |          |          | +    |      | +    |      |          |      |          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | +    |
|                                              | C09           |     |     |     |     |          |     |          |          | +        |          |      |      |      |      |          |      |          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| er6                                          | C10           |     |     |     |     |          |     |          |          |          |          |      |      |      |      |          |      |          |      |      | +    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Sne                                          | C11           |     |     |     |     |          | +   |          |          |          |          |      |      |      |      |          |      |          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| പ്                                           | C12           |     |     |     |     |          |     |          |          |          |          |      | +    |      | +    |          |      |          |      |      |      |      |      |      | +    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Ŭ                                            | C13           |     |     |     |     |          |     |          |          |          |          |      |      |      |      |          |      |          |      |      |      |      |      |      |      | +    |      |      |      |      |      | +    |      |      |      |      |      |      |      |      |
|                                              | C14           |     |     |     |     |          |     |          |          |          |          |      |      |      |      |          |      |          |      |      |      |      |      |      |      |      | +    |      |      |      |      | +    |      |      |      |      |      |      |      |      |
| s                                            | C15<br>C16    |     |     |     |     |          |     |          |          |          |          |      |      |      |      |          | +    |          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| nci                                          | C16<br>C17    |     |     |     |     |          |     |          |          |          |          |      |      |      |      |          | +    |          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| etei                                         | C17<br>C18    |     |     |     |     |          |     |          |          |          |          |      |      |      |      |          |      | +        |      |      |      |      |      |      |      |      |      | +    |      |      |      |      |      |      | -    |      | +    |      |      |      |
| dui                                          | C18<br>C19    | +   |     |     |     |          |     |          | +        |          |          |      |      |      |      |          |      |          |      |      |      |      |      |      |      |      |      |      |      |      |      | +    |      |      |      |      |      |      |      |      |
| 3                                            | C19<br>C20    |     |     |     |     |          |     |          |          |          |          |      |      |      |      |          | +    | ++       |      |      |      |      |      |      |      |      |      | ++   |      |      |      |      |      |      |      |      |      |      | +++  |      |
| sct)                                         | C20<br>C21    |     |     |     |     | +        |     |          |          |          |          | +    |      |      |      |          |      | +        |      |      |      |      |      |      |      |      |      | +    |      |      |      |      |      |      |      |      |      | +    | +    |      |
| lbje                                         | C21<br>C22    | +   |     |     |     | +        |     |          |          |          |          | +    |      |      |      |          |      |          |      |      |      |      |      |      |      |      |      |      |      |      |      | +    |      |      |      |      |      |      |      |      |
| l, sı                                        | C22<br>C23    | Ŧ   | +   |     |     |          |     |          |          |          |          |      |      |      |      |          |      |          |      |      |      |      |      |      |      |      |      |      |      |      |      | Ŧ    |      |      |      |      |      |      |      |      |
| ma                                           | C23           |     | т   |     |     |          |     |          |          |          |          |      |      |      |      |          |      |          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | +    |      |      |      |
| ssic                                         | C25           |     |     |     |     |          |     |          |          |          |          |      |      |      |      |          |      |          |      |      |      |      | 1    |      |      |      |      |      |      |      |      |      |      |      |      |      | т    | +    |      |      |
| ofe                                          | C26           |     |     |     |     |          |     |          |          |          |          |      |      |      | +    |          |      |          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | т    |      |      |
| (pre                                         | C27           |     |     |     |     |          |     |          |          | +        |          |      | +    |      | +    |          |      |          |      |      |      |      | 1    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| ial                                          | C28           |     |     |     |     |          | +   |          |          |          |          |      | -    |      |      |          |      |          |      | +    |      |      | 1    |      |      |      |      |      | +    | +    |      |      |      |      | 1    |      |      |      |      |      |
| Special (professional, subject) competencies | C29           |     |     |     | +   | <u> </u> |     | <u> </u> | <u> </u> | <u> </u> | <u> </u> |      |      |      |      | <u> </u> |      | <u> </u> |      |      |      | +    |      | +    |      |      |      |      |      |      |      |      |      |      |      | +    |      |      |      |      |
| St                                           | C30           |     |     |     |     |          |     |          |          |          |          |      |      |      |      |          |      |          |      |      |      |      | 1    |      |      |      |      |      |      |      |      |      |      | +    | +    |      |      |      |      |      |

# 4.2. Program Competences and Optional Components Matrix

| <b>5.1. Program Learning Outcomes and Compulsory Components Matrix</b> |
|------------------------------------------------------------------------|
|------------------------------------------------------------------------|

| Components/<br>Program<br>Learning<br>Outcomes | CC1 | CC2 | CC3 | CC4 | CC5 | CC6 | CC7 | CC8 | CC9 | CC10 | CC11 | CC12 | CC13 | CC14 | CC15 | CC16 | CC17 | CC18 | CC19 |
|------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|
| PLO1                                           |     |     | +   |     |     |     |     |     | +   |      |      |      |      |      |      |      |      | +    |      |
| PLO2                                           | +   |     |     | +   | +   |     | +   | +   | +   |      |      | +    | +    |      |      |      |      | +    |      |
| PLO3                                           |     |     |     |     |     |     |     |     | +   |      |      |      |      |      |      |      |      | +    |      |
| PLO4                                           |     |     |     |     | +   |     | +   |     |     |      |      |      |      |      |      |      |      | +    |      |
| PLO5                                           |     |     |     |     | +   |     |     |     |     |      |      |      |      |      |      |      |      |      |      |
| PLO6                                           |     |     |     | +   |     |     | +   | +   | +   |      |      |      |      |      |      |      |      | +    |      |
| PLO7                                           |     |     |     |     |     |     |     |     | +   |      |      | +    |      |      |      |      |      | +    |      |
| PLO8                                           |     |     |     |     |     |     |     |     | +   |      |      |      |      |      |      |      | +    |      |      |
| PLO9                                           |     |     |     | +   |     |     |     | +   | +   |      |      |      |      |      | +    | +    |      | +    |      |
| PLO10                                          |     |     |     |     |     | +   |     |     |     | +    |      |      | +    | +    |      |      | +    |      | +    |
| PLO11                                          | +   | +   |     |     |     |     |     |     | +   |      | +    |      |      |      |      |      |      |      |      |
| PLO12                                          |     |     |     |     |     |     |     |     | +   |      |      | +    |      |      | +    |      |      |      |      |
| PLO13                                          |     |     |     |     |     |     |     |     | +   |      |      |      |      |      | +    |      |      |      |      |
| PLO14                                          |     | +   |     |     |     |     |     |     |     |      | +    |      |      |      |      |      |      |      |      |
| PLO15                                          |     |     |     |     |     |     |     |     | +   |      |      |      |      | +    |      |      |      |      |      |
| PLO16                                          |     |     |     |     |     |     |     |     |     |      |      |      |      | +    |      |      |      |      |      |
| PLO17                                          |     |     |     |     |     |     |     |     | +   |      |      |      |      | +    |      |      |      |      |      |
| PLO18                                          |     |     |     |     |     |     |     |     | +   |      |      | +    | +    | +    |      |      | +    |      |      |
| PLO19                                          |     |     |     |     |     |     |     |     | +   |      |      | +    | +    | +    |      |      | +    |      |      |
| PLO20                                          |     |     |     |     |     |     |     |     | +   |      |      | +    | +    | +    | +    |      | +    |      |      |
| PLO21                                          |     |     | +   |     |     |     |     |     | +   |      |      | +    | +    | +    | -    |      | +    | +    | 1    |
| PLO22                                          |     |     |     |     |     |     |     |     | +   |      |      | +    | +    | +    |      |      | +    |      |      |

| Compo<br>nents/<br>Program<br>Learning<br>Outco<br>mes | 0C1 | 0C2 | 0C3 | 0C4 | 0C5 | 9006 | 0C7 | 0C8 | 0C9 | OC10 | 0C11 | 0C12 | 0C13 | 0C14 | 0C15 | 9C16 | 0C17 | 0C18 | 0C19 | OC20 | 0C21 | 0C22 | 0C23 | 0C24 | 0C25 | 0C26 | 0C27 | 0C28 | 0C29 | OC30 | 0C31 | 0C32 | 0C33 | 0C34 | 0C35 | 0C36 | 0C37 | 0C38 | 0C39 |
|--------------------------------------------------------|-----|-----|-----|-----|-----|------|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| PLO01                                                  |     |     |     | +   |     |      |     |     |     |      |      |      |      |      |      | +    | +    |      |      |      |      |      | +    |      |      |      | +    |      |      |      |      |      |      |      |      |      |      |      |      |
| PLO02                                                  |     |     |     |     |     |      |     |     |     |      |      |      |      |      | +    | +    | +    |      |      |      |      |      |      |      |      |      | +    | +    | +    |      | +    |      |      |      |      |      |      |      |      |
| PLO03                                                  |     |     |     | -   |     |      |     |     |     |      |      |      |      |      |      | +    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| PLO04                                                  |     |     |     |     |     |      |     |     |     |      |      |      |      |      |      | +    | +    |      |      |      |      |      |      |      |      |      | +    |      |      |      |      |      |      |      |      | +    |      |      |      |
| PLO05                                                  |     |     |     |     |     |      |     | +   |     |      |      |      |      |      |      | +    | +    |      |      |      |      |      |      |      |      |      | +    |      |      |      |      | +    |      | +    |      | +    |      |      |      |
| PLO06                                                  |     |     |     |     |     |      |     |     |     |      |      |      |      |      |      | +    | +    |      |      |      |      |      |      |      |      |      | +    |      |      |      |      |      |      |      |      |      | +    |      |      |
| PLO07                                                  |     |     | +   |     | +   |      |     |     |     |      | +    |      |      |      |      | +    | +    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | +    |      |
| PLO08                                                  |     |     |     |     |     |      |     |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | +    |      |      |      |      | +    |      |      |      |
| PLO09                                                  |     | +   |     |     |     |      |     |     |     |      | +    |      | +    |      |      | +    |      |      |      |      |      |      |      |      |      |      | +    |      |      |      |      |      |      |      |      |      | +    |      | +    |
| PLO10                                                  | +   |     |     |     |     |      |     |     |     | +    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | +    |      | +    |      |      |      |      |      |      |
| PLO11                                                  |     |     |     |     |     | +    |     |     |     |      |      |      |      |      |      |      |      |      |      | +    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| PLO12                                                  |     |     |     |     |     | +    |     |     | +   |      |      |      |      | +    |      |      |      |      |      | +    |      |      |      |      |      | +    |      |      |      |      |      |      |      |      |      |      |      |      |      |
| PLO13                                                  |     |     |     |     |     |      |     |     |     |      |      | +    |      | +    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| PLO14                                                  |     |     |     |     |     |      |     |     |     |      |      |      |      |      | +    | +    |      |      | +    |      |      |      |      |      |      |      |      | +    | +    |      |      |      |      |      |      |      |      |      |      |
| PLO15                                                  |     |     |     |     |     |      |     |     |     |      |      | +    |      | +    |      |      |      |      |      |      |      |      |      | +    | +    | +    |      |      |      |      |      |      |      |      | +    |      |      |      |      |
| PLO16                                                  |     |     |     | +   |     |      | +   |     |     |      |      | +    |      |      |      |      |      |      | +    |      |      | +    |      |      |      |      |      |      |      | +    |      |      |      |      |      |      |      |      |      |
| PLO17                                                  |     |     |     |     |     |      |     |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | +    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| PLO18                                                  | +   |     |     |     |     |      |     |     |     |      |      |      |      |      |      |      |      | +    |      |      |      |      |      |      |      | +    |      |      |      |      |      |      |      |      |      | +    | +    |      |      |
| PLO19                                                  |     |     |     |     |     |      |     |     | +   |      |      |      |      | +    |      |      |      | +    |      |      |      |      |      |      | +    | +    |      |      |      |      |      |      |      |      |      |      |      |      |      |
| PLO20                                                  | +   |     | +   |     |     |      |     |     |     | +    |      |      |      | +    |      |      |      |      | +    |      |      |      |      | +    | +    | +    |      |      |      |      | +    |      | +    | +    |      |      |      |      |      |
| PLO21                                                  |     |     |     | +   |     |      | +   |     | +   |      |      |      |      |      |      |      |      | +    | +    |      | +    |      |      |      |      | +    |      |      |      |      |      |      |      | +    |      |      | +    | +    |      |
| PLO22                                                  |     | +   |     |     |     |      |     |     | +   |      |      |      |      | +    |      |      |      |      |      |      |      |      |      |      |      | +    |      |      |      |      |      |      |      |      |      |      |      |      |      |

## **5.2.** Program Learning Outcomes and Optional Components Matrix