**CATALOGUE OF KNOWLEDGE**

**1. NAME OF THE SUBJECT**

**PRACTICAL EDUCATION: COMMUNICATION AND INFORMATION**

**2. GENERAL OBJECTIVES**

The overall objectives of the course are:

• using ICT using tools in the evaluation experiments in Slovenian and foreign language

• processing of survey data obtained, properly interpreting and developing pro-active approach in identifying sources of information and knowledge;

• developing awareness of the importance of quality of interpersonal relationship and teamwork;

• using appropriate terminology in the field of protection of natural values, biodiversity and management of renewable energy sources,

• understanding the statistics and applying it in the process of the work.

**3. THE SUBJECT SPECIFIC COMPETENCES**

In the course the student acquires the following competences in addition to the generic subject specific competences:

• using modern ICT technology in communication

• collecting, processing, storing and transmitting data and information

• identifying the characteristics of business events

• discovering the information needs of the business system (enterprise), the scope of protection

• using modern information and communication technologies

• using information systems of the company

• participating in the design and construction of the information system

• collecting processing and analyzing data with simple statistical methods,

• using statistical methods in the evaluation experiments,

• using appropriate terminology in the field of protection of natural values, biodiversity and management of renewable energy sources in a foreign language.

**4. OPERATIONAL OBJECTIVES**

Professional informatics

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| **INFORMATIVE OBJECTIVES** | **FORMATIVE OBJECTIVES** |
| Student: |
| * explains the basic concepts of information theory,
* explains the dimension of information,
* describes the method of problem solving by computer,
* identifies the potential use and is familiar with the use of modern ICT,
* identifies the advantages and disadvantages of the use of modern ICT,
* explains the role and importance of management information system and decision-making in the financial system.
 | * uses a variety of information sources in the field of protection of natural values, management of renewable energy sources,
* identifies and uses a variety of information sources to meet the needs of the profession,
* selects the appropriate ICT in the present work in collaboration with experts in the field of IT,
* uses ICT for processing and transmitting data / information
* uses information system for efficient and effective operations within the profession and activities
* uses an information system in decision-making system of the business system.
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**Statistical evaluation methods**

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| Student: | Student: |
| * explains the importance of statistics and the basic statistical concepts (unit, variable, population parameter)
* lists the procedures of the survey and describes them
* knows the protocols for monitoring and evaluation,
* knows and uses technical aids survey for data collection and evaluation,
* explains the concepts of median, mode, arithmetic mean,
* the nature of the Student's t-distribution and knows how to use Student's t-test,
* explains the importance of establishing correlations between the dependent and independent variable,
* defines the correlation coefficient and its significance,
* selects a computer programme for calculation of the correlation coefficient.
 | * defines the population, determines the characteristic parameters, carries out data collection and processing and can be supplemented by a narrative explanation,
* masters working with databases and information technology in the field of valuation of biodiversity, management of renewable energy sources
* draws up a simple analysis of the variability of the phenomenon and evaluates the similarity of a given distribution with a normal distribution,
* uses appropriate statistical tests to assist in the adoption or rejection of the null hypothesis,
* demonstrates the connection between two variables by using the correlation coefficient in the corresponding computer programme,
* critically evaluates the results of the statistical analysis.
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Professional terminology in a foreign language

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| Student: | Student: |
| * knows professional terminology in the areas of law and ethics and in the field of nature conservation,
* knows about the integration of Slovenian legislation with the EU acquis.
 | * independently states professional concepts and terms from the areas of law and ethics,
* analyses the text of the legislation,
* reads guidelines and legal regulations in Europe and around the world in a foreign language
* collects certain data and information, and knows how to connect knowledge with situations in life.
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**5. OBLIGATIONS OF STUDENTS AND SPECIAL FEATURES IN PERFORMANCE**

The total of 90 hours of the student's work in the company amounts to 3 credits. It is required that the presentation of the report on a practical training under the mentorship of the company and mentor at school is carried out.