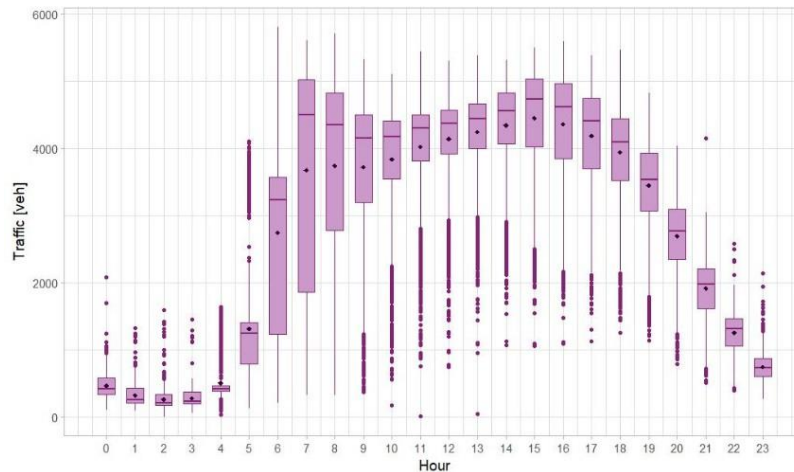


BIP - Statistics for management



OPEN! CALL FOR APPLICANTS - ERASMUS+ Blended Intensive Programme

Wrocław University of Environmental and Life Sciences, within the [EU GREEN University Alliance](#), organizes Blended Intensive Programme open for all the students from EU GREEN partner universities.

Coordinating and organizing University

Wrocław University of Environmental and Life Sciences (Poland) PL WROCLAW04

Prof. Jan Kazak

Co-organizing Universities

University of Evora (Portugal) P EVORA01

University of Gavle (Sweden) S GAVLE01

Programme details

- IN-PRESENCE attendance period: 17th - 21st June 2024
- VIRTUAL attendance period: 29th May - 28th June 2024
- Language of instruction: English
- ECTS for participation in the programme: 6

Programme description

The main objective of this course is to contribute with approaches, techniques, and methods that support the decision-making process in management and economics. More specifically, it is intended that students obtain basic and robust training in descriptive and inferential statistics, file and data processing, preliminary analyses, and graphical representations, using appropriate software, in order to promote a more complete and coherent research in the area of Management.

More than presenting and exploring techniques and methods, it is intended that students understand their usefulness and how they can provide answers to management and research questions. In this sense, since the very first classes, students are encouraged to put into practice theoretical knowledge, defining research problems and concrete objectives, as well as selecting variables and methods that allow them to respond to the problem and achieve the objectives set. The learning of concepts and techniques is stimulated through the project learning method.

As learning outcomes, it is intended to promote:

- 1) The ability to design, plan and conduct research processes and to compare results with observed facts
- 2) Model-building and critical thinking skills
- 3) The implementation and use of information and communication technologies to support decision-making
- 4) The creation of specific skills in data analysis to support decision-making in Management.

Total number of participants by institution

The BIP is open to a maximum of 27 participants (3 students per EU GREEN University). In case one of the EU GREEN universities should have less students than the maximum

allowed, the places left will be made available to other universities in order to reach the planned number of participants.

Teaching hours in presence mode

40 (67%)

Teaching hours in virtual mode

20 (33%)

Admission profile

Students with technical training (basics of Statistics or Mathematics) who wish to acquire a specialization or updated practical training in data analysis.

Conditions for Admission

- participation to the program is open to students of any discipline connected with contents related to the BIP
- students enrolled in I, II and III cycle courses of study
- to apply for this program, students must be regularly enrolled at one of the participating universities and completed a course in Statistics, Mathematics, or similar content
- at the time of the application submission, applicants must demonstrate proof of English language competence at the B2 level. This can be certified by the applicant's home University.

How to apply

- Students should complete the **APPLICATION FORM**
- Students should send the following documents to anna.posadowska-malarz@upwr.edu.pl till 12th April 2024:
 - copy of ID or passport,
 - transcript of records and certificate of enrolment,
 - proof of English language competence.

Deadline for application – April 12th, 2024

Selection procedure

An appointed Committee of the organizer and co-organizer institution will carry out the selection procedure.

Students should expect to hear back about the result of their application by 22nd April 2024. Selected students must communicate their acceptance or withdrawal within 5 days from the publication of the selection results by contacting their university program coordinator. Selected students will be contacted with further instructions upon completion of the selection procedures

Financial support

The attendance of the Blended Intensive Programme may be covered by an ERASMUS+ SMS Short Mobility Grant for all mobile students (excluding students from the hosting University). This financial support may only be guaranteed by the selected student's home University. The University of origin of each selected student is fully for the management of the financial aspects of the mobilities in accordance with the provisions of the competent ERASMUS+ National Agency.

No financial support is foreseen for host institution students as they will not be traveling for the purposes of participation in this program (non-mobile participants).

Please refer to your local coordinator or Erasmus/International Relations Office for any further information related to the financial support made available.

Administration contact:

Anna Posadowska-Malarz

Erasmus+ Institutional Coordinator

International Relations Office

Wroclaw University of Environmental and Life Sciences

anna.posadowska-malarz@upwr.edu.pl

Blended Intensive Programme (BIP) STATISTICS FOR MANAGEMENT

Number of hours (VT.- Virtual Theory, VP. - Virtual Practice, PT.- in Presence Theory, in Presence Practice)	VT	VP	PT	PP
<p>Module 1. Descriptive Statistics</p> <p>1.1. Central measure location</p> <p>1.2. Deviation measures (Variance, Standard error, Correlation coefficient it's analysis as a measure of the market's risk)</p> <p>Responsible: Prof. Andreia Dionísio</p>	2	2		4
<p>Module 2. Data management using the open-source program</p> <p>2.1 Database preparation</p> <p>2.2 Data visualisation</p> <p>Responsible: Dr. Grzegorz Chrobak, Dr. Rengin Aslanoglu</p>		2		4
<p>Module 3. Inference statistics</p> <p>3.1 Estimation and properties of estimators</p> <p>3.2 Confidence intervals</p> <p>3.3. Tests of statistical hypothesis</p> <p>Responsible: Prof. Li-Fang Xu</p>	2	2	4	10
<p>Module 4. Regression analysis</p> <p>4.1 Hypothesis of OLS</p> <p>4.2. Estimation of OLS</p> <p>4.3. Properties of OLS estimators</p> <p>4.4. Regression analysis with qualitative or sectional independent variables</p> <p>4.5. Inference analysis in regression context</p> <p>4.6. Empirical applications in management</p> <p>Responsible: Prof. Joanna Kamińska, Prof. Andreia Dionísio</p>	4	6	4	14

