

Blended Intensive Programme (BIP) Erasmus+



Sustainable logistics - trends and innovative practices

3 ECTS

Online part – **April/May 2025**

On-site part at Warsaw University of Life Sciences SGGW, Poland: **19-24.05.2025**

**Type of Participants (Learners) Staff and Students (bachelor, master, PhD)
from the Higher Education Institutions Partners**

THE AIM

- Through online modules and a six-day on-site visit to Warsaw, students will gain theoretical knowledge and practical insights into understanding the triple bottom line, i.e., economic, environmental, and social sustainability in logistics.
- During the course, students develop and deepen their understanding of sustainability concepts from different theoretical perspectives, focusing on the ESG (environmental, social, governance) framework.
- Students will understand how **environmental and social sustainability strategies, practices, and circular economy** approaches can be incorporated into different supply chain stages and how these will impact supply chain performance.



EFFECTS:

- Students will understand the role of **green and reverse logistics** and will be presented with a practical solution for creating sustainable logistics solutions.
- During the training, students will develop theoretical and practical proficiencies in **evaluating and improving logistics processes'** economic, environmental, and social aspects.
- The course will also provide insights into the **challenges and solutions** related to the implementation issues in **sustainability logistics for organizations and industries.**

METHODS:

- lectures led by experts from ecological, economic, management, or engineering backgrounds;
- online discussion forums to encourage interaction among students from different universities;
- group assignments to simulate interdisciplinary collaboration;
- case studies of successful sustainable projects implemented in logistics companies;
- study visits to companies.



STUDENTS WILL BE ABLE TO:

- Demonstrate an understanding of sustainable **logistics**, drawing from environmental science, economics, management, and transport engineering.
- Analyze the relationship between sustainable solutions and business development.
- Design solutions for sustainable warehouses and transport processes.
- **Collaborate with colleagues** from different academic disciplines and cultural backgrounds to develop innovative solutions for sustainable logistics.



TRAINING FOR ACADEMIC STAFF:

- Partner organizations employees will be able to collaborate with colleagues from different academic disciplines to conduct joint research in sustainable logistics.
- In addition, program participants will be able to learn about best business practices in sustainable logistics.



Education-Science-Business Cooperation:



ON-LINE PART

APRIL/MAY 2025

- The online classes will aim to acquire the knowledge and problem-solving skills necessary to develop solutions for a variety of sustainable supply chain processes and understand what information should be exchanged for a sustainable supply chain activity, how information technologies can support sustainable supply chain management, their inter-relationships with sustainable suppliers and with the **green and reverse logistics**.



ONLINE PART

GOALS AND EFFECTS:

- demonstrate advanced knowledge and understanding of how supply chain practice relates to key concepts in the sustainability field;
- demonstrate advanced knowledge and understanding of different approaches and methods to manage and evaluate sustainable supply chains;
- demonstrate knowledge of trends with respect to sustainable supply chains, identify strategies, and reflect critically on the management of sustainable supply chains from an environmental, economic, and social sustainability perspective



ONLINE PART/ SAMPLE TOPICS:

1. Conventional and integrated supply chains
2. Overview of sustainable supply chains, including an eco-design perspective
3. Carbon footprint and lifecycle assessment
4. Closed-loop supply chains
5. Renewable energy
6. Transportation decisions
7. Strategic sustainability implementation
8. Green and reverse logistics
9. Environmental pollution from transportation/environmental protection
10. Circular economy
11. Economic aspects of logistics
12. The impact of logistics on the economy

ON-SITE PART: 19-24.05.2025, Warsaw, Poland

- May 19th Registration, Welcome session, Campus tour, Welcome dinner
- May 20th Lecture, Key speakers sessions: *Green solution and practices in enterprises*
- May 21st Workshop and team project work / Visiting enterprises
- May 22nd Sightseeing in Warsaw / City game
- May 23th Projects' final presentations and discussion

Keep in mind that May 16-17th our University organizes the SGGW DAYS and on May 24th we have JUVENALIA – students have the opportunity to celebrate with us, join the concerts etc.



Maximum number of participants: 25

Contact persons:

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