



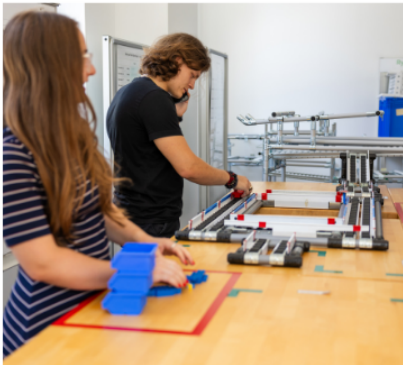
Škoda Auto University



# SUSTAINABLE TRANSPORTATION

19 - 30 August 2024

SUMMER SCHOOL  
7 ECTS



**VENUE**  
Škoda Auto University  
Na Karmeli 1457,  
Mladá Boleslav,  
Czech Republic



**TUITION FEE:**  
1,050 €  
Fee includes the tuition,  
lectures and seminars,  
accommodation,  
excursions, field trips and  
cultural activities



**SIGN UP NOW**  




## SUSTAINABLE TRANSPORTATION SUMMER SCHOOL 2024

The programme **Sustainable Vehicle Design and Supply Chain Management** combines the subjects of Sustainable Vehicle Design, Sustainable Product Quality Planning, Systems Thinking in Sustainable Supply Chain Management, Green Logistics and Manufacturing, Sustainability Reporting and Sustainable Procurement, aimed at the automotive industry.

The programme will be business oriented and will, besides the theoretical issues, demonstrate and teach the students the practical skills.

The participants' skills and knowledge will be developed mainly by seminar-style courses, project work, skills-based learning, discussions with experts from companies, presentations. The integral part of the programme will be also field trips and excursions.

The programme also includes training on **Business Communication Competences** and social and cultural programme, sport and entertainment.

As the language of communication is English, the participants need to prove strong knowledge of this language in both general and business English. While working on the common projects, the participants will also need to apply their writing skills and abilities, presentation and ITC skills.

Regarding the companies, the participants will learn from guest lecturers, field trips and company visits. On the top of their entrepreneurial competencies the program will contribute as they will deal with specific tasks and issues, and the practical skills training.

All the programme activities besides the informative subjects, should lead to networking and developing future international relationships. The practically oriented learning and training will help the students to succeed in the increasingly competitive labour market.

The cooperation with automotive companies, field trips and company visits can help with identifying the needs in knowledge, practical skills, and experience.

The participants' skills and knowledge will be developed mainly by

- Seminar-style courses;
- Project work;
- Task-based learning;
- Discussions with experts as an integral part of seminars (guest speakers);
- Skills-based learning;
- E-learning selfstudy;
- Presentations;
- Company visits, excursions.





Škoda Auto University

The tutorials will be based on the participants' preparation and their close cooperation in international groups/teams. The library and study hall with internet access will be available. The learning experience will be enhanced thanks to this close interaction of the different cultural environments of the fellow students.

The programme aims at both undergraduate (bachelor) and graduate (master) degree students.

### **Important!**

The programme will start with on-line pre-assignment. The participants will receive the access to the e-learning platform with all instructions minimally four weeks prior to the summer school so that they come ready to jump into the on-site activities.





### Costs for participants

The participants pay a fee **1,050 EUR**. The fee includes tuition, lectures and seminars, accommodation, centrally organized excursions and field trips as well as organised cultural and entertainment programmes, welcome and farewell dinners, documents needed for visa purposes (issuing and sending via DHL), access to the university library, free Wi-Fi on campus and access to PC rooms, registration into the university information system, transcript of records and certificate of completion.

**The fee does not include travel costs, meals, insurance and visa.**

### Registration and payment

Deadline for application: 30 April 2024

#### Prepayment: 210 EUR

Prepayment deadline: 15 May 2024

#### Additional payment: 840 EUR

Additional payment deadline: 30 June 2024

The applicants will receive the confirmation on admission and documents needed for the visa application by return based on the prepayment; **it will be sent by DHL.**

### Cancelation policy

participation cancellation	cancellation fee (% of Summer School fee)
before 31 May 2024	20 %
before 30 June 2024	50 %
after 30 June 2024	100 %

The only exception of this policy is if your visa application is rejected. The visa rejection must be proved by relevant documents and communication with the embassy/consulate.

### Contacts:

In case you are interested in participating, please fill in the application form using **QR code** or [Link](#). Do not hesitate - the number of participants is limited and the applications will be registered in the order of reception.

If you have any questions concerning the programme or organization, please e-mail [barbora.jirankova@savs.cz](mailto:barbora.jirankova@savs.cz), with **SummerSchool\_2024\_SAU** in the subject line.



## The planned programme – time schedule

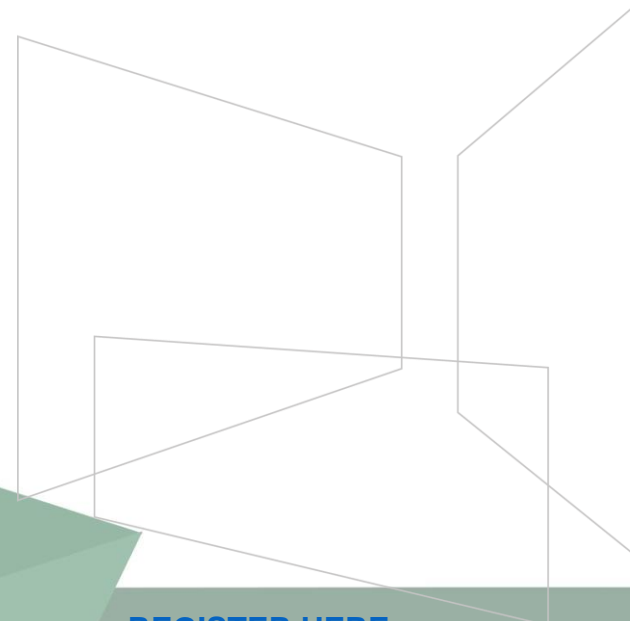
<b>Sunday, August 18</b>	
	Arrival, accommodation
<b>Monday, August 19</b>	
9:00 - 12:15	Welcome speech and organisational issues; Introduction lectures
12:15 - 13:15	Lunch
13:30 - 16:45	Lectures
18:00 - 20:00	Welcome dinner and socialising
<b>Tuesday, August 20</b>	
9:00 - 12:15	Lectures
12:15 - 13:00	Lunch
13:15 – 17:00	Excursion and Training
<b>Wednesday, August 21</b>	
9:00 - 12:15	Lectures
12:15 - 13:15	Lunch
13:30 - 16:45	Workshop
<b>Thursday, August 22</b>	
9:00 - 12:15	Lectures
12:15 - 13:15	Lunch
13:30 - 16:45	Excursion and Training
<b>Friday, August 23</b>	
9:00 - 12:15	Lectures
12:15 - 13:15	Lunch
13:30 - 16:45	Lectures
<b>Saturday, August 24</b>	
9:00 - 19:00	Trip to Prague
<b>Sunday, August 25</b>	
9:00 - 19:00	Trip to Kutná Hora



<b>Monday, August 26</b>	
9:00 - 12:15	Lectures
12:15 - 13:15	Lunch
13:30 - 17:00	Trip to the Svijany brewery
<b>Tuesday, August 27</b>	
9:00 - 12:15	Lectures
12:15 - 13:15	Lunch
13:30 - 19:00	Lectures
<b>Wednesday, August 28</b>	
9:00 - 12:15	Lectures
12:15 - 13:15	Lunch
13:30 - 16:45	Excursion and Training
<b>Thursday, August 29</b>	
9:00 - 12:15	Lectures
12:15 - 13:15	Lunch
13:30 - 16:45	Project work
<b>Friday, August 30</b>	
9:00 - 12:15	Case study presentations / Report presentations
12:15 - 13:15	Lunch
14:30 - 15:30	Closing ceremony; final assessment, receiving certificates and transcripts of records
17:00 - 19:00	Farewell dinner
<b>Saturday, August 31</b>	
	Departure

ŠAVŠ reserves the right to change the programme.

Afternoon and evening activities and alternative programme will be included and scheduled later with respect to participants' background and interests.





## Syllabi:

### Sustainable Vehicle Design and Supply Chain Management (5 ECTS)

#### Course objective:

This course provides you with knowledge and skills from the fields of Sustainable Vehicle Design, Sustainable Product Quality Planning, Systems Thinking in Automotive Sustainable Supply Chain Management, Green Logistics and Manufacturing in Automotive Industry, Sustainability Reporting and Sustainable Procurement.

#### Course content:

1. Sustainably oriented vehicle design, progressive materials used in vehicle design
2. Sustainably orientated vehicle production technologies, bio-based materials utilization
3. Product quality planning in the context of sustainability aspects – approaches, methods and tools in product quality planning and improvement process
4. Sustainable quality control in serial phase of product life cycle – quality inspection and testing, metrology, claims and nonconformity management, problem solving process
5. Systems thinking development in sustainable supply chain management (SSCM)
6. Process innovations and its impact to the overall effectiveness
7. Basics of green logistics, including individual areas of logistics, approaches and specific best practices
8. Basics principles of lean manufacturing, including various types of waste, approaches and specific best practices
9. Sustainable procurement, definition, importance, drivers, benefits, and barriers
10. Framework for sustainable procurement implementation, Sustainability Assessment Questionnaire (SAQ)
11. Supply chain process management
12. Sustainability reporting as an instrument to measure and manage the sustainability performance

#### Learning outcomes and competences:

After completing the course, student can apply basic principles and tools of sustainable procurement in the automotive industry, explain new approaches in vehicle designing and quality management with regard to sustainability, explain the concept of sustainable mobility and sustainable automotive industry, identify the difference between invention and innovation in SSCM and will understand the basic philosophy of green logistics and understand the role of sustainability reporting as an instrument to measure and manage the sustainability performance.







## Business Communication Competences (2 ECTS)

### Course objective:

The course aims at introducing and developing a functional basic set of soft skills required by the labour market and recruiters nowadays.

### Course content:

1. Communication Skills
2. Presentation skills
3. Communicating with clarity and impact
4. Professional business writing
5. Negotiating for results
6. Business etiquette
7. Time and team management
8. Personal branding
9. Networking
10. Effective brainstorming and meeting guidance
11. Working and managing difficult personalities in the office
12. Evaluation and assessment

### Learning outcomes and competences:

After completing the course, student will be able to communicate clearly in a business environment with minimum to no misunderstanding, will be able to create and present a personal brand story to persuade employers of his/her abilities, will demonstrate a high degree of flexibility in negotiation situations, will organize and write business texts without inconsistencies or unclarities and will summarize, describe and explain information without any text support.







## Summer School Team

### **prof. Ing. Radim Lenort, Ph.D., ALog., ING-PEAD IGIP**

#### **Department of Production, Logistics and Quality Management (head of the department)**

In terms of teaching and research, he focuses on industrial logistics and industrial supply chains management. He is an auditor of logistics, member of the Chamber of Logistic Auditors, Slovakian Logistics Society, coordinator of the certification and educational organisation Logistics Academy, coordinator of Škoda Auto University's membership in the Czech Logistics Association and GNSS Centre of Excellence, lecturer of courses for industrial companies, researcher or co-researcher of more than 70 R&D projects and projects of contractual research. He is an evaluator of the National Accreditation Bureau, member of the Academic Board at Škoda Auto University, member of the editorial board of domestic and foreign journals and supervisor of international conferences and congresses. He is the author and co-author of more than 240 publications with more than 630 responses in the Web of Science database (H-index 17).

### **Prof. Dr. Thomas Liebetruh**

He is a Professor of Business Faculty at Regensburg University of Applied Sciences (Germany). Pedagogical and research activities are focused on sustainable supply chain, process and performance management as well as service quality. Member of professional organisations (e.g. German Logistics Association, German Organisation of Purchasers, German Association of Process Managers), holder of the International process management certificate CBPP, co-investigator of several educational and research projects, author and coauthor of more than 30 publications.

### **Ing. et Ing. Martin Folta, Ph.D., EUR ING**

#### **Department of Production, Logistics and Quality Management**

Renowned, leading Czech specialist in quality management in the automotive industry. He holds the European engineer title EUR ING and has many years of practical experience in quality management thanks to his work in the private corporate environment of automotive supply chains at various executive and management positions. He currently holds the position of an independent international certification auditor of IATF (International Automotive Task Force) overseeing the fulfilment of requirements of management systems in organisations that provide series production and spare parts production in the automotive industry. As an experienced process auditor according to the VDA 6.3 methodology, he was approved by VDA QMC in Berlin in 2013 as the official instructor of this methodology and later appointed as an examining commissioner who assesses the professional qualifications of process auditors. He also provides consultancy services in quality management, and as a professional trainer he gives lectures on the approaches, methods and tools related to the increasingly demanding requirements of the automotive industry. He holds several globally recognised certificates related to the performance of the professional activities mentioned above. Martin Folta has rich international experience not only from auditing but also teaching at foreign universities and participating in different projects.



**Ing. David Holman, Ph.D.**

**Department of Production, Logistics and Quality Management**

He currently works as an assistant professor, deputy head of the Department of Production, Logistics and Quality Management and coordinator/lecturer of successful commercial courses at Škoda Auto University. He also lectures regularly at foreign universities in Finland and Germany; he participates in international projects, summer schools and blended intensive programmes. He has extensive practical experience from his previous work in the strategic department Logistics Planning at Škoda Auto a.s. and is a member of the Chamber of Logistics Auditors and Czech Logistics Association. He is a researcher and co-researcher for educational and scientific and research projects and contractual research projects. He is a member of the scientific committee of Carpathian Logistics Congress, an international conference listed in the Web of Science and Scopus databases. He is the author and co-author of dozens of publications with responses in the Web of Science database. In teaching, science and commercial projects and publishing, he specialises in the use of systems thinking, use of LEAN principles and sustainability in logistics and supply chain management, in and beyond the automotive industry.

**Ing. David Staš, Ph.D.**

**Department of Production, Logistics and Quality Management**

In terms of teaching and research, he focuses on management of industrial systems and industrial logistics. His research and publishing activities focus on the methods of lean production, industrial logistics, management and optimisation of industrial systems. As part of the project and advisory activities, he actively cooperates with companies in the automotive, engineering and metallurgical industries. He is an active lecturer of courses for industrial companies, researcher or co-researcher of R&D projects and projects for contractual research. He is a member of the Green Logistics Team at Škoda Auto a.s. and a member of the programme committee and reviewer for the Carpathian Logistics Congress as well as a reviewer for the journal Sustainability (Switzerland). He is the author and co-author of more than 40 publications with more than 90 responses in the Web of Science database.

**doc. Ing. Pavel Wicher, Ph.D.**

**Department of Production, Logistics and Quality Management**

He is a member of the academic staff in the Department of Production, Logistics and Quality Management at Škoda Auto University, and also works for the Department of Economics and Management in Industry of the Technical University Ostrava. He was a recipient of the Dean's and Rector's awards for the Best Doctoral Candidates of the Faculty of Metallurgy and Materials Engineering. In 2020 he defended habilitation thesis in same programme. He completed long-term and short-term internships at universities in China, Russia, Finland, Germany, Austria, Poland and Slovakia. His professional activities focus primarily on logistics, management of supply chains and project management. He is a researcher and co-researcher of many contractual research projects and science and research projects. He is the author and co-author of more than 50 publications.



**Ing. Tomáš Malčic, Ph.D.**

**Department of Production, Logistics and Quality Management**

As part of his doctoral studies at the Technical University in Ostrava, he delivered the courses Process Modelling, Management of Production Processes and Project Management. In terms of his teaching, research and publishing activities, he specialises primarily in optimisation and process analysis of logistics processes in industry. In these areas, he has experience mainly in the metallurgical and automotive industry, which he gained as a member of teams for research projects. The outputs of these projects were published in professional journals and conference compilations listed in the Web of Science and Scopus databases. Tomáš Malčic has extensive experience from teaching abroad, leading a team working on an international educational project, and developing e-learning tools for blended and on-line course.

**Ing. Josef Bradáč, Ph.D.**

**Department of Mechanical and Electrical Engineering Department**

He completed internships at the Welding Research Institute (Slovakia) and at the University of Applied Sciences Upper Austria. He worked as a specialist in body welding development and welding line designer for Škoda Auto a.s. In terms of teaching and research, he focuses on engineering production and automotive technology. He is a member of the Czech Society for Quality, Czech Society for New Materials and Technology, Czech Society for Mechanics. He contributed to the summer school projects Global Management in Automotive Industry and Green Solutions for Business and Industry. He is a lecturer of specialised lifelong learning courses. He is the author and co-author of professional articles listed in the Web of Science and Scopus databases.

**Ioana Kocurová Giurgiu, M.A.**

**Department of Languages and Intercultural Competences**

Her career involved several different projects – writing, PR, business – all requiring different skills. As a lecturer, she supervises a course Business Communication Competences at Škoda Auto University and she also organises workshops that support skills indispensable for the current labour market. She is also responsible for courses on Media Literacy and Academic Writing in English. She is currently exploring the fields of motivation and motivation factors in education.

**We look forward to meeting you  
at Škoda Auto University!**