

Module 11			
Elective A: Mobility and Transport			
Workload	ECTS-Credits	Semester	Length of Module
180 hours (41 hours class contact time, 139 hours self study time)	6	2 nd semester	1 semester
Responsible academic			
Prof. Dr. Oesten Baller			

Structure of the Module		
No.	Section	Class Contact Time
1	Transport of Goods and Supply Chain Risk Management	1 SWS
2	Aviation Safety and Security	1 SWS
3	Maritime Safety and Security	1 SWS
Module Description		
<p>In a global world, the international transport of goods and the worldwide mobility of persons are crucial. Not only since 9/11, criminal and terrorist attacks on transport and mobility by land, sea and air constitute the dark side of the economic and personal advantages of mobility.</p> <p>This module focuses on the legal framework and the respective risk management tools for international transport of goods and supply chain security, aviation safety and security, and maritime safety and security. Multi-level regulation is crucial in each of these three main sectors of international transport and mobility and so the module will examine regulation at the global and EU levels.</p>		
Module Aims		
<p>This module aims to:</p> <ul style="list-style-type: none"> • develop an analytical understanding of multi-level regulation • develop good knowledge in the areas of international transport and mobility • strengthen skills in understanding specific risks in international transport and mobility • enhance respective risk management methodologies in global transport and mobility. 		
Learning Outcomes/Competences/Skills		
<p>By the end of the module students will be able to demonstrate:</p> <ul style="list-style-type: none"> • critical understanding of the multi-level regulation of global transport and mobility by land, sea and air in a business environment • being familiar with the respective concepts of risk management • competence to apply and to implement risk management concepts in projects and case studies. 		

Content

Section 1: Transport of Goods and Supply Chain Risk Management

European and international regulation of international transport (road, rail, air, water)

- CMR: Convention on the Contract for the International Carriage of Goods by Road
- Montreal Convention on Air Carrier Liability
- CIM: Uniform Rules Concerning the Contract of International Carriage of Goods by Rail; COTIF: Convention concerning International Carriage by Rail
- CMNI: Budapest Convention on the Contract for the Carriage of Goods by Inland Waterway
- International Convention for the Unification of Certain Rules of Law Relating to Bills of Lading (The Hague-Visby Rules)

The supply chain and supply chain management

- Supply chain and the chain of economic added value
- Specific supply chain risks
- Scenarios and cases

The supply chain risk management (SCRM)

- Definition of SCRM
- The main steps and phases of SCRM

Section 2: Aviation Safety and Security

EU legislation and Policy

- Current regulation in the field of civil aviation security
- Current detailed measures for the implementation of common basic standards in aviation security
- EU Aviation Strategy for Europe
- Current regulation on the use of passenger name record (PNR) data for the prevention, detection, investigation and prosecution of terrorist offences and serious crime

Aviation security and safety, authorities and rules

- Aviation security policy
- European Aviation Safety Agency (EASA)
- European Network of Civil Aviation Safety Investigation Authorities (ENCASIA)
- European Aviation Safety Rules
- European Aviation Safety Management

Section 3: Maritime safety and security

Multi-level regulation and organisation

- International Convention for the Safety of Life at Sea, 1974 (SOLAS)
- International Code for the Security of Ships and Port Facilities (ISPS Code)
- International Maritime Organisation (IMO)

- Regional International Law (Black Sea, North Sea, Baltic Sea, Rhine River, Danube River etc.)
- Current EU regulation on port security
- European Maritime Safety Agency
- National regulation – an overview
- National organisation (Germany)

Risks and Risk Management

- Overview on maritime risks
 - Piracy
 - Trafficking
 - Smuggling
 - Environmental risks
- Procedures
 - Risk assessment (for ships and ports)
 - Security plans (for ships and ports)
 - Security levels

Prerequisites for attending

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Teaching Language

English

Examination

Project/case study [Projektarbeit/ Fallstudie]

Relevance of the Examination for the final Scale

7,0 %

Module 11			
Elective B: Event Security			
Workload	ECTS-Credits	Semester	Length of Module
180 hours (41 hours class contact time, 139 hours self study time)	6	2 nd semester	1 semester
Responsible academic			
N.N.			

Structure of the Module		
No.	Section	Class Contact Time
1	Security Planning for Events	1 SWS
2	Crowd Science	1 SWS
3	Event Security in Practice	1 SWS
Module Description		
<p>In this module, students develop their knowledge and practice-oriented planning skills in the field of event security.</p> <p>The module considers the importance of events and event security in contemporary societies and students will develop advanced skills in security concepts focusing on event parameters, critical infrastructures and environmental conditions. This includes consideration of the diversity of actors that might be involved in event security, different cultural contexts and incentive structures and the frictions that can arise between them. Beyond developing the skills necessary for standardised security planning, students also practice taking on the role of a security manager in challenging crisis situations that require out-of-the-box thinking.</p> <p>In the Crowd Science section of the module, students will develop their knowledge of crowd behaviour and crowd management. They will distinguish between different types of crowds and use these characteristics for differentiated planning approaches. Drawing on theoretical findings from psychology as well as from simulation models, students will analyse a range of crowd dynamics that can evolve in specific crisis situations. Students will use such insights for tailoring event security planning geared toward specific event circumstances, sizes and target groups.</p>		
Module Aims		
<p>This module aims to:</p> <ul style="list-style-type: none"> • enhance students' knowledge and skills around event security management • develop students' critical and analytical understanding of the competing interests that can influence strategic event planning • enable students to test their theoretical knowledge in practical exercises. 		
Learning Outcomes/Competences/Skills		
<p>By the end of the module, students will be able to:</p> <ul style="list-style-type: none"> • demonstrate awareness of the coexistence of different normative frameworks on various levels, e.g. ISO standards, national law, and possibly (as in the 		

- case of Germany) federal state law and local regulations
- recognise that norms and standards are generated in political contexts and thus are not consistent
- compare and contrast national standards in various OECD countries and demonstrate competence in extracting best-practice models
- demonstrate understanding of the importance of risk and crisis communication and can apply communication models to event security and prepare communication concepts for different risk and crisis scenarios.

Content

Section 1: Security Planning for Events

- State and non-state actors involved in event security
- Security structures at different levels, comparative perspective on OECD countries
- International standards concerned with event management
- Empirical analysis of cases in successes and failures of event security
- Principles of state-private and interagency cooperation
- Risk and crisis communication in the context of event security

Section 2: Crowd science

- Types of crowds
- Crowd dynamics
- Crowd risk analysis
- Crowd simulations
- Crowd safety
- Crowd management

Section 3: Event Security in Practice

- Major sports events
- Music festivals or concerts
- Fairs
- International conferences

Prerequisites for attending

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Teaching Language

English

Examination

Project/case study [Projektarbeit/ Fallstudie]

Relevance of the Examination for the final Scale

7,0 %