



# Security, Safety & Justice

## Minor for bachelor students.



Universiteit  
Leiden

 TU Delft

## SSJ Handbook

This document is meant for lecturers and students of the Security, Safety and Justice minor. The SSJ minor analyses contemporary societal issues, and offers students a relevant multidisciplinary broadening of their regular bachelor program.

The document briefly explains the background of the SSJ minor, the educational program and the connection between the different courses. Additionally, it offers important information for students regarding registration as a guest student.

For questions and remarks, these are the relevant contacts:

*Minor content:* the minor coordinators:

Dr.ir. Wolter Pieters (TU Delft): [w.pieters@tudelft.nl](mailto:w.pieters@tudelft.nl)

Dr. Eamon Aloyo (Leiden University): [e.t.aloyo@fgga.leidenuniv.nl](mailto:e.t.aloyo@fgga.leidenuniv.nl)

*Registration and administration:*

TU Delft: [minors@tudelft.nl](mailto:minors@tudelft.nl)

Leiden University: [ssj@fgga.leidenuniv.nl](mailto:ssj@fgga.leidenuniv.nl)

*Course-specific questions:* the course teacher

Websites:

TU Delft:

<https://www.tudelft.nl/en/tpm/education/minors/security-safety-justice-ld/>

Leiden University:

<https://studiegids.universiteitleiden.nl/studies/7291/security-safety-justice>



## Introduction

How do we protect our society against terrorism? Can we secure the complex world of cyberspace? Are self-driving cars safe enough? Who is responsible if something goes wrong? How do we balance surveillance and privacy?

The media pays attention to these questions with regard to safety, security and justice every day, so it is not surprising the topic deserves academic attention as well. This minor will provide you with the basic academic knowledge to understand the background of these questions better. The emphasis in the minor lies on the “security” element. The minor SSJ enables you to broaden your horizon regarding security-related topics in society.

The knowledge base that this minor offers to analyse security-related topics is multidisciplinary, and centres around three broad academic themes, which are connected to specific academic fields:

- Security
- Safety
- Justice

Security covers a broad range of research fields encompassing criminology, antiterrorism studies, and security management; the safety theme contributes via insights from risk management; and justice provides important concepts from legal studies, history and philosophy. Knowledge of essential concepts from all of these fields is necessary to understand and analyse today’s security and safety issues. This unique blend of knowledge from social and technical sciences allows students of the minor SSJ to address and analyse current-day security-related topics.

To provide this broad spectrum of knowledge to students TU Delft and Leiden University set up a cooperation. Leiden University primarily contributes with knowledge from the fields of public administration and legal and antiterrorism studies. TU Delft contributes in the areas of risk analysis and risk management, technology assessment, and system analyses.



## Objectives of the minor

The minor SSJ gives insight into security issues you read about in the newspaper: terrorist threats, criminality, integrated security and stability. Basic knowledge and research techniques are acquired, centred around three themes: security, safety, and justice.

The insights and analyses are applied to current topics, for example in the transport sector, critical infrastructure, and cyber security.

After completion of the minor, students will be able to:

- i) Recognize safety, security and justice aspects in contemporary issues, and be able to synthesize scientific arguments for their presence.
- ii) Form an opinion on SSJ issues, which is grounded in scientific analysis and argumentation.
- iii) Apply basic techniques of analysis to contemporary SSJ issues. These techniques include: system analysis, risk analysis and perpetrator analysis.
- iv) Assess the value of scientific publications and use them in the analysis of SSJ issues, and be able to find publications that give deeper insight in these contemporary issues.
- v) Recognize the role that SSJ issues have in their own study major, describe this role and explain it to others.

Table 1: objectives in relation to the BLOOM descriptors.

BLOOM descriptor	Knowledge	Understanding	Application	Synthesis
Objective i)				X
Objective ii)				X
Objective iii)			X	
Objective iv)		X		
Objective v)	X			

## Educational program

The minor consists of 6 courses of 5 ECTS each and takes place during the first semester. The semester is divided into two blocks of eight weeks each. In every block, three courses are taught. All courses are taught in English.



### *Time investment*

The SSJ minor has a 30 ECTS program, and is taught in the 5th semester of the regular bachelor program (first semester of the third year). It is a full time minor, so lecturers assume all your time during the week will be occupied with classes and assignments. Regular classes are on Monday and Wednesday. **Participation is mandatory**, and missing more than one class for a course can be a reason for exclusion. Please look at the individual courses for details.

### *Opening conference*

The minor starts in the first week of the academic year with an opening conference on Monday and Wednesday. The following subjects are discussed:

- An introduction to SSJ;
- The organization of the SSJ minor;
- Attending classes in the Hague and Delft;
- An explanation on each of the six courses given in the minor, and an explanation on how the different classes are connected to each other;
- An explanation on the importance of SSJ issues, and an insight in the operational problems these issues bring. To this end, guest speakers are invited to talk about these issues from their perspectives.

### *Course content*

After the opening conference the semester is divided into two blocks. Courses taught by Delft lecturers are given on Monday in Delft, by Leiden lecturers on Wednesday in The Hague. The following classes are taught:

#### Block 1

- |  |        |
|--|--------|
| 1) Law & Security (Wednesday, The Hague)                             | 5 ECTS |
| 2) Researching Crisis and Security Management (Wednesday, The Hague) | 5 ECTS |
| 3) Security & Organisation (Monday, Delft)                           | 5 ECTS |

#### Block 2

- |  |        |
|--|--------|
| 4) Security & Technology (Monday, Delft)               | 5 ECTS |
| 5) Terrorism & Counterterrorism (Wednesday, The Hague) | 5 ECTS |
| 6) Security Integration Project (Monday, Delft)        | 5 ECTS |

### *Connection between the different courses*

The central theme in the minor is the prevention of harm caused by uncertain events (incidents). In our complex society, many things can go wrong, and specific groups in society have often gone to great lengths to make such events less likely or less catastrophic and knowledge about risk management has emerged. Think for example about aviation safety and security. Knowledge can be gained from these domains to understand how security problems can be approached. In other domains, safety and security issues and particularly potential protective mechanisms are still heavily



debated: is the police allowed to hack criminals? The minor covers both incidents caused unintentionally (safety, such as accidents) and incidents caused intentionally (security, such as terrorist attacks). The question is not only how such harm can be prevented (such as by reducing the number of incidents or their impact), but also what side-effects such measures may have, and under which conditions these measures are acceptable or not.

The minor covers the following lenses from which SSJ can be studied:

- Risk management. The Security & Organisation course provides a (mathematical) framework for reasoning about probabilities, frequencies, impact etc. of events (together known as risk), methods for assessing risk, and psychological views plus a management cycle for dealing with such events in organisations.
- Research methods. The Researching Crisis and Security Management and Security Integration Project courses cover available methods for scientific study of safety and security issues and associated dilemmas, in terms of for example small numbers of events and secrecy.
- Law. The Law & Security course investigates the relation between law and security, in particular the tension between security (preventing crimes) and basic human rights.
- Social sciences. The Terrorism & Counterterrorism course zooms in on terrorists and their motives and behaviour as a source of risk, and how counterterrorism can help reduce the success of attacks.
- Ethics / Science and Technology Studies. The Security & Technology course focuses on the role of technological developments in safety and security, in particular the assessment of potential safety and security issues of new technologies.

The different perspectives are integrated in the Security Integration Project.

### *Study material*

Most of the material for the SSJ minor is offered via Blackboard / Brightspace (at the university responsible for the course) or circulated via email. For Security & Organisation, a book is also required. More information can be found in the individual course descriptions, found online.

### *Course structure*

The minor courses consist of a mixture of regular classes and work groups. Students will also be expected to give presentations of their own. Outside of the regular course hours, students will be expected to work on assignments and papers. More explanation can be found with the individual courses.



## *Evaluation*

Every course is evaluated separately. The minor is considered to be completed successfully if for all courses a grade of 6 or higher is obtained. Final grades are rounded off per half point, except between 5 and 6. Between 5 and 6, a 5.5 and higher will be rounded up to a 6, below a 5.5 grades will be rounded down to 5.

If a course has several evaluation moments, the explanation with the individual course will indicate whether compensation is allowed or not. Compensation is in any case not allowed for any partial grade that amounts to minimum 30% of the final grade. If the final score is a passing grade, students are not allowed to the retake to obtain a higher grade, unless given explicit permission by the Board of Examiners (see hereunder).

More information on the exact forms of evaluation can be found in the explanation with the individual courses.

## **Course and examinations regulation, and rules and regulations**

No matter what academic institution a student comes from, the minor SSJ falls under the course and examinations regulation of the bachelor Security Studies of Leiden University. These [course rules](#) are further expanded on in the rules and regulations of the Board of Examiners of the Institute of Security and Global Affairs. The Board of Examiners is also the relevant body for disputes. More explanation can be found on their [website](#).

## **Number of participants**

The minor will be offered from the moment a minimum of 30 participants is reached. When you register, you will only be able to see how many people at your own university have registered. It is possible that this number is lower than 30, but that does not mean the minor will not be offered.

The maximum number of participants is 150. Priority is given to students from Leiden University, TU Delft, and Erasmus University Rotterdam (EUR). Leiden University and TU Delft each have 60 reserved spots (120 spots combined), EUR has 20, and 10 are reserved for external (students not from Leiden, TU Delft, or Erasmus University Rotterdam). It is first past the post system, no waiting list is used, and once the maximum number of participants is reached, no new admissions will be allowed.

## **Admission requirements**

To be admitted, students have to have obtained a minimum of 60 ECTS for their regular bachelor. Any foreknowledge of the issues discussed in the minor SSJ is not necessary, but students are expected to have some affinity with security issues. For the course on Security & Organisation,



students are expected to understand the basics of statistical analysis. At the moment, the minor SSJ works on a first come, first serve basis. This means that if you are a student at Leiden University, TU Delft or EUR, and the reserved spots haven't been occupied yet, you are certain you will be admitted to the minor.

## Registration

*Additional registrations required after being accepted to the minor?*

All students need to have an active student registration at their home university **before 1 September** in order to participate in the minor. Without an active student registration at your home university before 1 September it is not possible to participate in the minor!

In addition, Leiden students have to be registered as a minor student at TU Delft and TU Delft students have to be registered as a guest student at Leiden University **before 1 September**. EUR students and external students have to be registered as a guest student at Leiden University AND minor student at TU Delft **before 1 September**.

Registration as a guest / minor student is necessary to obtain a student number, a student card, to access Blackboard, and to be able to participate in the education and exams of the guest university. Without a registration as a guest / minor student it is not possible to participate in the minor!

*How to fulfil the additional registration requirements for the minor?*

**Registration at TU Delft for Leiden/EUR/external students:** students from Leiden University, EUR students, and other external students that registered via Leiden University will need to register via Studielink for the minor at Technische Bestuurskunde / Systems Engineering, Policy Analysis & Management. On the TU Delft minorsite, instructions will be published on the page for external students.

**Registration at Leiden University for TU Delft students:** students from TU Delft do not have to take additional action themselves to be registered as a guest student at Leiden University. You will be registered on the basis of the exchange of your personal details by your home university to the student administration of Leiden University.

*Registration for courses and exams*

For Leiden University courses, students are asked to register for the course in uSis from 15 August up until one week after the start of the course. Students also need to individually register for the course on Blackboard, to have access to the material offered online and to be able to submit assignments. Students do not need to register for the exams. In case of a resit, students are asked to register in uSis in case of a written examination. Registration in uSis for a written re-examination is possible up



until 10 days before the exam. Make sure that you use your Leiden student number for all exams, assignments and papers for the courses offered by Leiden University!

For TU Delft courses, there is no separate enrolment for individual courses via OSIRIS, but students need to individually register for the course on Brightspace, to have access to the material offered online and to be able to submit assignments. Students need to register separately for the exam in OSIRIS; registration for a course does not automatically lead to registration for the exam. The deadline for registration is 2 weeks before the exam date. After the deadline, rules for late registration apply, and you may not be able to take the exam. This applies in particular to the exam for Security & Organisation. See also: <https://www.tudelft.nl/en/student/education/examinations/registration-for-examinations/>. Make sure that you use your TU Delft student number for all exams, assignments and papers for the courses offered by TU Delft!

### **After the minor**

The SSJ minor forms a good basis for the master in Crisis and Security Management at the faculty of Governance and Global Affairs, Leiden University, and the Safety and Security specialisation at the faculty of Technology, Policy and Management, TU Delft. However, successful completion of the minor does not give an automatic access to these master programs.

### **Location**

The SSJ minor is offered jointly by Leiden University and TU Delft. This is reflected by the fact that half of the courses are given by TU Delft lecturers, in Delft, and the other half by Leiden lecturers, in The Hague. All locations are easily accessible by public transportation. More information on the exact locations is given in a separate email to participants. To limit travelling, all TU Delft courses will be given on Monday, and all Leiden courses on Wednesday.

### **Conclusion**

The SSJ minor will give you the opportunity to broaden your horizon, and research many contemporary themes in our society. This minor will lay the scientific basis to understand these themes, in a multidisciplinary environment.

