



Acquiring insights in tackling risk and disaster

Minor Public Risk and Disaster

Explore and unravel today's grand challenges

When global pandemics, earthquakes, and tsunamis strike, they leave a lasting impact on societies around the world. Next to these natural hazards, man-made risks can result in major industrial or nuclear accidents, which remind us of the costs that comes with human progression. The more subtle effects of constantly evolving technologies can also lead to safety and security risks, or impact significant values such as privacy and inclusion. In an era marked by climate change and increasing technological advancement, how do we tackle today's grand challenges? How do we respond to both man-made and climate-related risks we face in today's world, ranging from climate change and resulting intensified disasters, to cybercrime, and risks emerging from new technologies such as self-driving cars?

Who is responsible for both reducing those risks, and mitigating and responding when something does go wrong? How humanity as a whole prepares for, responds to, and manages these grand challenges is crucial for the world's future. In this minor, you will explore and unravel these grand challenges, and look for possible ways forward.

What will you learn?

You will gain knowledge of essential concepts to better understand today's risks. Unique to this minor is its multidisciplinary approach, where you learn to combine a unique blend of social sciences and engineering concepts to analyse and evaluate current-day risk and disaster-related issues. There are courses on disaster studies and technological risks in which you explore academic and theoretical arguments, and apply them to relevant case studies.

To provide a broad spectrum of knowledge to students, TU Delft and Leiden University set up a cooperation. Leiden University primarily contributes with knowledge in disaster studies, focusing on climate change and disaster politics, and intersectional issues. TU Delft contributes in the areas of risk management, system analyses, technology assessment, and ethical analyses.



Universiteit
Leiden

TU Delft

Bij ons leer je de wereld kennen

Gain insight into risk and disaster-related topics

The minor PRD gives insight into risk and disaster-related topics which are omnipresent in today's world, such as incidents due to technological errors, the effects of climate change, and disasters.

After this minor, you will be able to:

- Acquire multidisciplinary knowledge and skills to assess, analyse, and manage risks associated with complex socio-technical systems and global challenges
- Understand the interconnectedness of risks and vulnerabilities across borders
- Apply insights from theories on emerging technologies, cybersecurity, disaster studies, climate politics, cascading effects and engineering risk management to real-world cases and policy questions
- Formulate policy advice on some of the most pressing issues in the world today concerning technology, climate change, and disaster
- Develop proficiency in conducting risk assessments, forecasting potential cascading effects, and proposing evidence-informed strategies for risk prevention and risk mitigation.
- Collaborate in multidisciplinary teams

For whom is this minor?

The minor is multidisciplinary in nature, is open to bachelor students from all majors, and is taught by lecturers from both Faculty of Governance & Global Affairs at Leiden University's The Hague Campus, and from the Faculty of Technology, Policy & Management of TU Delft.

Programme overview

The classes take place in The Hague and Delft, respectively.

Block 1:

- Disaster studies (The Hague)
- Risk management of emerging technologies (Delft)
- Instability and (In)securities: A case study of crisis (The Hague)

Block 2:

- Climate change as a political challenge: can we prevent disaster? (The Hague)
- Engineering Risk Management in Organisations (Delft)
- Researching cascading effects: understanding the ripple effects of cybersecurity (Delft)

Questions

If you have any questions, please send an e-mail to the coordinators of the minor programme dr. Valerie de Koeijer (Leiden University) and dr. Karolien van Nunen (TU Delft) at prd@fgga.leidenuniv.nl, Scan the QR-code for more information:



Register from 15 May
up to and including
4 July 2024 via
[eduXchange](https://www.eduxchange.nl)



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