I dottorati presenti al DIEC

17 maggio 2023

Cosa è un dottorato?

❑ È un percorso post laurea ad accesso limitato (numeri di posti predefiniti, selezione in ingresso)

❑ Che implica una formazione approfondita, mirata e personalizzata (che unisce il progetto didattico del dottorato con l'approfondimento specifico che viene scelto da ogni studente)

❑ Di norma prevede una «borsa», cioè una somma di denaro che il dottorando riceve mensilmente per la durata del percorso (+ plus per soggiorni esterno e rimborso missioni)

❑ Prende avvio ogni anno

❑ Si identifica con un numero progressivo: *il prox a.a. partirà il XXXIX ciclo*

A cosa serve?

➢Necessario per accedere alla carriera accademica

➢Apprezzato da enti, istituzioni e sempre più dalle aziende per il livello di competenze acquisite

Quali offre il DIEC?

- [Ph.D. in Economics and Political Economy](#)

- [Ph.D. in Management and Security](#) (cv del dottorato in Security, risk and vulnerability)

- [Ph.D. in Strategic Engineering and Decision Methods](#)

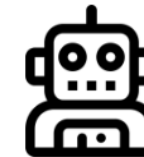# PhD in Security, Risk and Vulnerability

A multidisciplinary PhD program on Security, Risk and Vulnerability

When the technological, regulatory, organizational and social aspects cannot be easily disentangled, security can only be attained by leveraging multiple disciplines. The PhD Program in Security, Risk and Vulnerability will train a new generation of researchers capable to tackle the security challenges of the future.

PhD students will acquire broad foundations on both practical and theoretical aspects of security and risk management, learn how to conduct high quality research, and solve important research questions.

A PhD in Security, Risk and Vulnerability opens a variety of career opportunities in academia, research institutes, and R&D departments of (inter)national companies. Further career opportunities, include the establishment of spin-off companies and consultancy.

Curricula

Cybersecurity & Reliable AI

Security & Law

Security & Strategic Studies

Management & Security

Risk & Resilience Engineering for the Natural, Industrialized and Built Environment

Risk, Climate Change and Sustainable Development

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Ph.D. in Management and security

Coordinator of the Curriculum: Prof. Teresina Torre

Overview

The curriculum in **Management and Security** is one of the six curricula of the PhD program in Security, Risk and Vulnerability.
The PhD program aims to **train a new generation of researchers** capable to **tackle the security challenges of the future**, from different perspectives and with a specific attitude to the comprehension of the complexity underlying these topics.

This specific curriculum in Management and Security is designed to equip its **PhD students** with the **theoretical and analytical instruments** necessary to understand various business, **management and security dimensions**, to use theoretical models and conduct empirical, high-quality analysis at the frontier of managerial research. Such instruments are acquired through the attendance to **advanced methodological**, **disciplinary** and **specialty courses** that explore the different ways in which security, risk, and vulnerability issues play out in the business and managerial world both in research and in practice.

Attività didattica
https://sicurezza.unige.net/course-offerings

In particular, courses are classified in 4 types:

- CROSS-curricula courses, i.e. courses that cover topics that are relevant to two or more curricula;

- CORE-curriculum courses, i.e. courses covering topics that are specific to a given curriculum and provide foundational knowledge and skills which are essential for developing the specific research topic selected by the student;

- FUNDAMENTALS, i.e. courses aiming to provide the basics of topics inhererent to a given curriculum to students of other curricula. In general, these courses cannot be taken by students enrolled in the curriculum already specifically addressed to the topic investigated;

- courses on SOFT SKILLS e.g., how to write a paper, how to write a research grant, and how to perform the management of research.

Please have a look at the flyers of two interesting PhD Courses of the PhD program in Security, Risk and Vulnerability

- The Resilience Assessment Of Complex Systems As A Multidisciplinary Approach For The Prevention And Disaster Management

https://www.dropbox.com/s/lnxat8ndzemfd1t/Resilience.pdf

- Circular Approach And Models For Risks Prevention

https://www.dropbox.com/s/4peawwzp0exlamy/Circular.pdf

Ph.D in Strategic Engineering and Decision Methods

- **Coordinator:** Prof. Anna Sciomachen
- **Overview:**
- The **international** PhD course in SEDEM is promoted by DIEC in collaboration with some international universities focused on the new discipline called Strategic Engineering:
  - IMT Ecole Des Mines de Ales (*Information Structures Systems*),
  - Óbuda University , Hungary (Applied Informatics and Applied Mathematics),
  - Hellenic Mediterranean University, Greece (*Energy and Computer Engineering*).
- The idea is to create experts able to design, develop, use and finalize new solutions that guarantee a strategic advantage in the decision-making process.
- PhD students will focus on developing a combined use of Modeling, Simulation, Algorithms, Data Analytics and Artificial Intelligence closely related to Big Data, to support Decision Makers in a wide range of applications, such as logistics and transportation, telecommunications, defense, finance, medical sciences and biotechnology.
- The strongly transdisciplinary nature of the course is highlighted.

In più

❖Approfondimento del proprio progetto di ricerca (ogni dottorando sviluppa il proprio con il supporto dei docenti)

❖Periodo di visiting all'estero (in sede qualificata sul tema di ricerca)

❖Partecipazione alla vita del Dipartimento (didattica, seminari, socializzazione….)

Link utili

- Offerta di UNIGE – tutte le informazioni

https://unige.it/studenti/dottorati-di-ricerca

- Come presentare la domanda

https://unige.it/sites/contenuti.unige.it/files/documents/Guida_ita_XXXVII.pdf

- Diec

https://economia.unige.it/en/node/72

- In generale

https://bandi.miur.it/doctorate.php/public/cercaFellowship?jf_comp_status_id=2-3&bb_type_code=%25&idarea=%25&azione=cerca