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LUND

# Knowledge FOr Resilient soCiEty

STUDY VISIT AT DTU & LUND UNIVERSITY

**DISASTER RISK MANAGEMENT AND FIRE SAFETY PHD STUDIES**

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- **Phase: preparation for accreditation**
- **Selection of students...**
- **Scholarship...**
- **Professors, Supervisor, PhD Board (General and individual plan)**
- **Courses (grades) and Research**
- **Qualification exam...**
- **Requirements before defense...**
- **Thesis is monograph type...**
- **Defense board (Comission)...**
- **Duration of PhD studies...**





**1<sup>st</sup> year**

Nr.	Course name	S	Status	ECTS
<b>1</b>	<b>Scientific Research Method</b>	1	0	8
<b>2 &amp; 3</b>	<b>Optional course 1 and 2 (2 of 8):</b>	1	E	10+10
	Selected Chapters in Physics	1	E	10
	Selected Chapters in Mathematics	1	E	10
	Security System Theory	1	E	10
	Probability, statistics and theory of experiment	1	E	10
	Qualitative risk assessment methods	1	E	10
	Selected Chapters in Disaster Risk Management and Fire Safety	1	E	10

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Nr.	Course name	S	Status	ECTS
<b>4 &amp; 5</b>	<b>Optional course 3 and 4 ( 2 of 14):</b>	2	E	10 + 10
	Selected Chapters in Science on Materials	2	E	10
	The process, principles and techniques of scientific research	2	E	10
	Selected chapters in project management	2	E	10
	Advanced risk assessment methods	2	E	10
	Selected Topics in Seismic Hazard Assessment and Vulnerability of buildings	2	E	10
	Safety and Resilience of Critical Infrastructures	2	E	10
	Public Health in Emergency and Crisis Situations	2	E	10
	Risks of use and interruption in electricity supply	2	E	10
	Selected topics in prevention and flood protection	2	E	10
	Selected Chapters in Earthquake Engineering	2	E	10
	Advanced data models and database systems	2	E	10
	System approach and regulations in risk management	2	E	10
	Selected chapters in modern methods of data collection and processing	2	E	10
	Selected chapters in risk management and insurance management	2	E	10

**1<sup>st</sup> year****2<sup>nd</sup> year**

Nr.	Course name	S	Status	ECTS
6	Doctoral Dissertation - Study and Research 1	2	0	12


Nr.	Course name	S	Status	ECTS
<b>7 &amp; 8</b>	<b>Optional course 5 and 6 ( 2 of 12):</b>	3	E	10 + 10
	Selected chapters of the design and protection of water	3	E	10
	Energy efficiency of buildings	3	E	10
	Selected chapters from hydroinformatics	3	E	10
	Selected chapters of durability of concrete and masonry structures	3	E	10
	Fire safety of buildings	3	E	10
	Advanced methods of risk analysis of events with catastrophic consequences	3	E	10
	Risk management in construction	3	E	10
	Media Systems and Crisis Management	3	E	10
	Risks and protection against electrostatic discharge	3	E	10
	Mental health and psychosocial support in crisis situations	3	E	10
	Selected chapters of fire research	3	E	10
	Selected chapters of occupational health and safety at work	3	E	10

Nr.	Course name	S	Status	ECTS
<b>9 &amp; 10</b>	<b>Optional course 5 &amp; 6 ( 2 of 12):</b>	3	E	10 + 10
	Selected chapters of the design and protection of water	3	E	10
	Energy efficiency of buildings	3	E	10
	Selected chapters of durability of concrete and masonry structures	3	E	10
	Fire safety of buildings	3	E	10
	Advanced methods of risk analysis of events with catastrophic consequences	3	E	10
	Risk management in construction	3	E	10
	Selected chapters of occupational health and safety at work	3	E	10
	Selected chapters from hydroinformatics	3	E	10
	Media Systems and Crisis Management	3	E	10
	Risks and protection against electrostatic discharge	3	E	10
	Mental health and psychosocial support in crisis situations	3	E	10
	Selected chapters of fire research	3	E	10

Nr.	Course name	S	Status	ECTS
<b>11</b>	Doctoral Dissertation - Study and Research 2	3	0	10

Nr.	Course name	S	Status	ECTS
12	Doctoral dissertation - Study and Research 3 (research and publication of results)	4	0	10
13	Doctoral dissertation - Theoretical basis	4	0	10





**3<sup>th</sup> year**

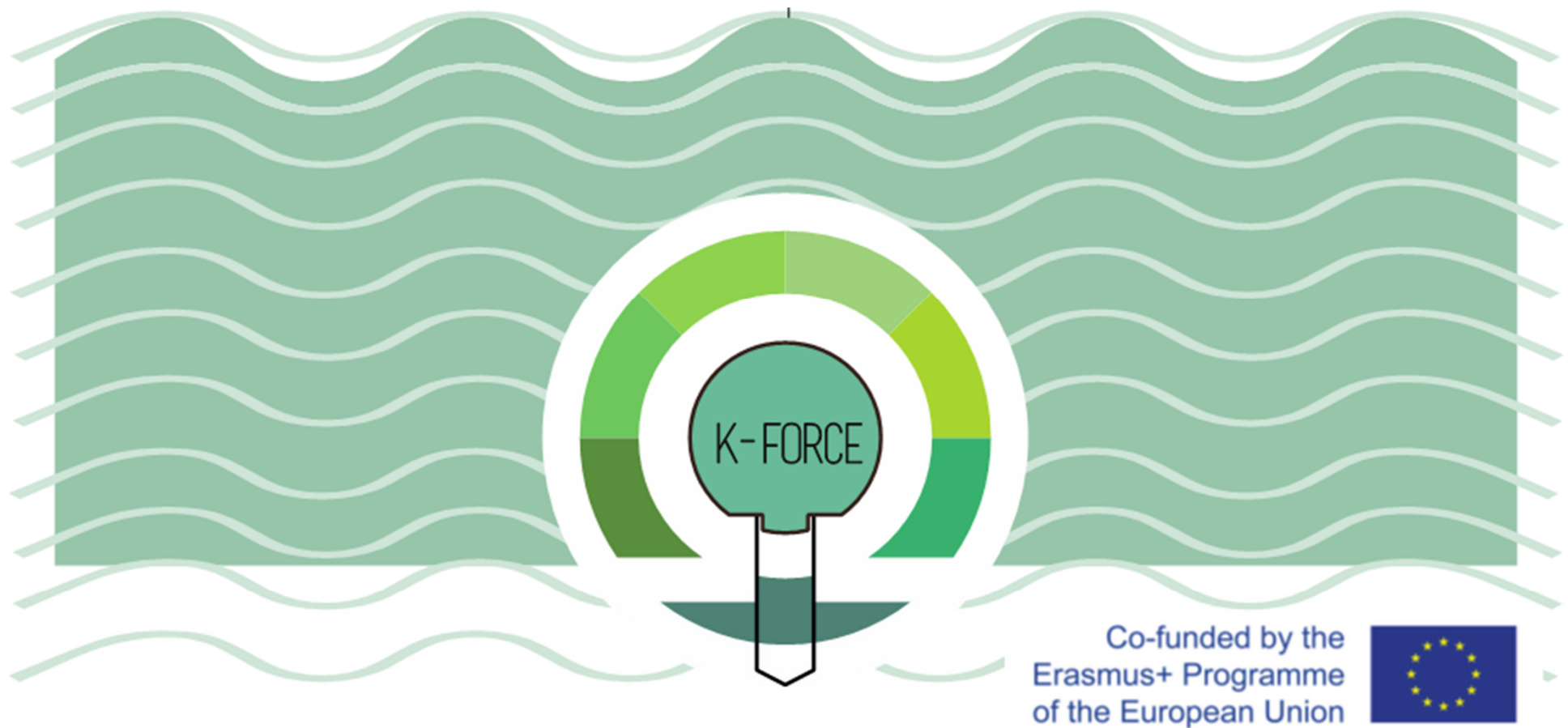
Nr.	Course name	S	Status	ECTS
14	Doctoral dissertation - Study and Research 4 (publication of results)	5	0	20
15	Doctoral dissertation - Realization and defense	6	0	30

<b>Total ECTS</b>	<b>180</b>
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Thank you  
for your attention

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