

ILSE - EU Partner Project: “Safer Europe by higher qualified Water Safety Managers“

Project Number: 2012-1-DE2-LE004-11717-5

Overview of the Special Topics stream:

A. Fundamental topics in the Bachelor degree – Levels 5 and 6

1. Management
2. Health and safety
3. Didactics
4. **Special Topics**

4.1 Special Topics – Compulsory Subjects – Special Theoretical Topics

1. Background Knowledge
2. Media
3. Pedagogy
4. Research / Dissertation

4.1.1 Background knowledge

Level 5

- Water safety history
- Psychological and Physiological reactions and self-rescue skills in the actual environment

Level 6

- Psychology related to teaching and learning in challenging environmental situations
- Psychology related to stress, disasters, accident – both Rescuers and Victims

4.1.2 Media

- Accidents / Incidents - procedures and rules for communication with media
- Use of media for informing the public
- Use of media in teaching - learning

4.1.3 Pedagogy

- Be able to organise and conduct education in Water Safety/Lifesaving
- Psychology related to teaching and learning in challenging environmental situations
- Personal experienced learning about own reactions and capacity related to environmental challenges
- How to develop realistic understanding of environmental challenges

4.1.4 Research / Dissertation

- Ability to plan, arrange and carry out projects in the field of water safety
- Ability to scientifically assess own work.

4.2 Special Topics – Compulsory Subjects – Special Practical Topics (topics with choice)

- Practical topics:
 1. Environmental Knowledge - Outdoor Water
 2. Safety and Prevention
 3. Search and rescue (SAR)
 4. Special situations



Areas of choice within the compulsory subjects

- The University/HEI can specialise within different special topics
- The candidate can choose within the topics offered by the university/HEI
- Not all the topics are obligatory.
- It is possible to choose the specific topics needed for:
 - meeting the environmental and job demands
 - to meet the requirements of the actual country and university/HEI.
 - all topics selected must reach the levels described in the curriculum templates to be accepted

4.2.1 Environmental Knowledge - Outdoor Water

- Cold water
- White water
- Winter – Ice – Snow
- Dark water
- Strong wind - high waves
- Flat water / Lake

4.2.2 Safety and Prevention

- Public information
- Safety including early rescues
- Lifeguard (Cold water)
- Events
- Water Sports
- Lifesaving sports

4.2.3 Search and rescue (SAR)

- Deep water (not Scuba)
- Under water (Scuba)
- Lifeboats
- Small "boat" rescue
- Ice rescue / mud rescue (Soft surface rescue)
- First Aid

4.2.4 Special situations

- Contaminated water
- Flood
- Climatic Contamination
- Natural disasters
- Shipping Accidents
- Car in water
- Other unforeseen hazards



B. Fundamental topics in a Masters degree – Level 7

1. Management
2. Health and safety
3. Pedagogy
4. **Special topics**

4.1 Special topics

1. Environmental Knowledge - Outdoor Water
2. Safety and Prevention
3. Search and rescue (SAR)
4. Special situations
5. Research
6. Dissertation

4.1.1 Environmental Knowledge - Outdoor Water

- The Interplay between meteorology oceanography and hydrology
- The interplay between water in motion and the land
- Extreme Conditions

4.1.2 Safety and Prevention

- Safety procedures
- Organisation
- Preventive Surveillance / surveillance for early rescue

4.1.3 Special situations

- Dealing with extreme unforeseen situations
- Preparing for a “special” situation and a probable development of an emergency
- Clearing the situation

4.1.4 Search and rescue (SAR)

- Available resources
- Setting up a SAR operation
- Contributing to a SAR operation
- Debriefing

4.1.5 Research

- The field of water safety and science
- Scientific theory
- Scientific method
- Qualitative research
- Statistics
- Project planning

4.1.6 Dissertation

- Dissertation is research based
- Ability to plan, arrange and carry out research and development of projects in the field of water safety
- Ability to assess scientific projects and apply it in own work

C. Fundamental Topics in a PhD in the field of Water Safety – Level 8

- High specialisation in Water Safety Lifesaving, Self-Rescue, Research and Thesis

