Faculty of Law
Department: Security and Safety
Professional Area: National Security
Major: National Security Protection **-** Protection against Accidents and Disasters
Educational-and-qualification Degree: Bachelor

COURSE DESCRIPTION

1. Course unit title: **Risk Information Technology**
2. Course unit code: SEC 1075
3. Type of course unit: elective
4. Level of course unit: Bachelor
5. Year of study: third
6. Semester: fifth
7. Number of ECTS credits allocated: 3
8. Name of lecturer: Prof. D.Sc.Stefan Simeonov
9. Learning outcomes of the course unit: The disciplines provides the students with the basic knowledge of information technology used in the assessment, analysis and management of risk in various emergency situations, assessing the reliability and safety of technological processes, including those still at the stage of designing dangerous technological units.
10. Mode of delivery: face-to-face.
11. Prerequisites and co-requisites: Knowledge of informatics and information systems and technologies.
12. Course contents: The discipline introduces the basic mathematical methods used for modeling reliability, safety, emergency situations, for evaluation of the consequences of accidents and finding solutions for risk management. It is demonstrated how they are implemented in the specific software.
13. Recommended and/ or required reading

Петков, Ал., Управленски информационни системи, Русенски Университет „Ангел Кънчев", www.ecs.ru.acad.bg/fbm/uis_b, 2-2007

Емилова Петя, Стратегически информационни системи, Акад. изд. Ценов, 2006

Томов В., Теория на риска. Анализ и оценка на риска в производството, Русе, РУ, 2003 г.

Петров Т., Метод Монте-Карло за оценка на надеждност и прогнозиране на рискове за безопасност, Доклади и материали от националния семинар по програмата SAFERELNET, Минно-геоложки университет „Св. Иван Рилски", 2005 г.

14. Planned learning activities and teaching methods: Lectures, seminars, contact hours.
15. Assessment methods and criteria: written examination.
16. Language of instruction: Bulgarian.
17. Work placement: none