



The chief goal of the "Cybersecurity Fundamentals" project was to create an innovative, attractive, and effective e-learning course to teach basic cyber security skills to students of homeland security, computer science, economics, management, and law. The knowledge and skills acquired will help graduates in their professional and everyday lives and will significantly increase their employability. The tangible result of the project is an open online course consisting of 6 modules with interactive videos, interactive "Lessons", educational games, and quizzes created using state-of-the-art e-learning software. Three universities from Poland, the Czech Republic and Portugal collaborated on the project. The main target group are the students of the above-mentioned faculties at these universities. Other beneficiaries will be all interested institutions of higher education, companies and institutions which will be able to use the results to train their employees thanks to the open nature of the online course and its intended use as a stand-alone course. The course is constructed so, that it can be used for a blended learning as well as self-learning education (e.g. "Lessons" may be used both as an interactive self-learning material and as a presentation accompanying an instructor-led course). The course materials can be used sequentially or selectively, depending on a user's needs. The learning content of the course is organized into the following modules:

- Introductory section
- Module 1: Basics of networking
- Module 2: Laws and regulations
- Module 3: Cyber-attacks detection and prevention
- Module 4: CSIRTs and CERTs
- Module 5: Digital forensics fundamentals
- Module 6: Forensic analysis with free suites

To access the course, it is enough to log in as a "Guest". For full access, including assessments, one needs to create an account and acquire the "Student" status.

To use all the resources of the course and observe works of students, an instructor needs to acquire the "non-editing teacher" status. For this an instructor should contact the administrator of the course at: [zbnigniew@wsep.inm.edu.pl](mailto:zbnigniew@wsep.inm.edu.pl).

Every educational institution wishing to use the course as its own should contact the administrator, download the full package of the course free of charge and place it on its moodle platform (which will allow making any changes and/or amendments, enlisting students and observing their operations on the platform, etc.). The whole course is compressed to only ca. 300 MB.



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