Democritus University of Thrace, Kavala, Greece
School of Science
Department of Informatics

Department of European and International Programmes – Erasmus+
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Proposed Course for incoming Erasmus students[1]

Responsible for the course (lecturer) (name, phone number, e-mail address)	Prof. Konstantinos Rantos 0030 2510 462 611 krantos@cs.duth.gr
Title of the Course	**Information Security and Privacy**
ECTS credits	5
Short contents of the course	1. Information security management systems 2. Vulnerabilities and threats 3. Risk management 4. Risk management methods 5. Information security policy and procedures 6. Basic protection mechanisms 7. Privacy 8. Threats to privacy 9. Legislation 10. Privacy protection technologies
Aim of the course and target audience	Aim of the course: The course provides a comprehensive understanding of information security management and privacy protection. It focuses on the role and development of information security management systems within organizations, with particular emphasis on risk management, standardized methods for risk analysis, protection mechanisms, and best practices. Additionally, the course addresses the critical topic of privacy, examining risks associated with privacy breaches, protection methods, and mechanisms, as well as relevant legal frameworks and advanced privacy-preserving technologies. Target audience: Undergraduate students of Informatics/ Computer Science
Teaching Methods duration and Evaluation	Lectures: 39 hours Asynchronous online self-paced course Assignment Evaluation: 100% Project-based
Offered Period	Fall semester
Indicative bibliography	1. Stallings, William. Cryptography and Network Security: Principles and Practice. 8th ed., Pearson, 2020. ISBN: 9780135764213. 2. Stallings, William. Network Security Essentials: Applications and Standards. 6th ed., Pearson, 2017. ISBN: 9780134527338.

[1] Could be easily used and offered for TS movement to our Erasmus partners