

Документ подписан простой электронной подписью
 Информация о владельце:
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Discipline annotation

Discipline name	Информационная безопасность автоматизированных и телекоммуникационных систем / Information security of automated and telecommunication systems
Summary	Types of information representation in automated and telecommunication systems and possible channels of its leakage. Information vulnerabilities in automated and telecommunication systems. Threats to information security of automated and telecommunication systems. Vulnerabilities of protocols of automated and telecommunication systems. Channels of leakage of confidential information in automated and telecommunication systems and means of their detection. Technologies for ensuring information security of fixed telephone networks. Monitoring and control systems for automated and telecommunication systems. Intrusion detection systems for automated and telecommunication systems.
Learning outcomes of the discipline	- applies basic measures to protect information in automated systems - develops measures and executive documents for the protection of information in automated and telecommunication systems from all current threats - implements organizational measures to protect information in automated and telecommunication systems from all current threats - capable of managing the means of protection against unauthorized access in automated and telecommunication systems and at informatization objects against all current threats
Workload, c. u.	5
Reporting Forms	Credit - 7th semester Exam - 8th semester
List of essential and supplementary literature necessary for mastering the discipline	
Essential literature	1. Melnikov, V. P. Information security and information protection: study guide for universities / V. P. Melnikov, S. A. Kleimenov, A. M. Petrakov; ed. by S. A. Kleymenova. - 6th ed., reprint. - Moscow: Academia, 2012. - 336 p.: ill., tab. - (Higher professional education. Informatics and computer technology). – Stamp: approved by AMA. - Bibliography: p. 327-328. - 1500 copies. - ISBN 978-5-7695-9222-5. 2. Shangin, Vladimir Fedorovich. Information security of computer systems and networks: study guide for universities / V. F. Shangin. - Moscow: Forum: Infra-M, 2013. - 415 p.: ill. - ISBN 978-5-8199-0331-5. - ISBN 978-5-16-003132-3. 3. Baranova, E. K. Information security and protection of information: study guide for universities / E. K. Baranova, A. V. Babash. - 2nd ed. - Moscow: RIOR: INFRA-M, 2014. - 254, p.: ill. ; - (Higher education. Bachelor's degree). - ISBN 978-5-369-01218-5.
Supplementary literature	1. Zhuk A. P., Zhuk E. P., Lepeshkin O. M., Timoshkin A. I.

	Information security: study guide / A. P. Zhuk, E. P. Zhuk, O. M. Lepeshkin, A. I. Timoshkin. - 3rd ed. - Moscow: RIOR: INFRA-M, 2021. -400 p. - (Higher education). — DOI: https://doi.org/10.12737/1759-3 2. Melnikov, V. P. Information security and information protection: study guide for universities / V. P. Melnikov, S. A. Kleymenov, A. M. Petrakov; ed. by S. A. Kleymenova. - 6th ed., reprint. - Moscow: Academia, 2012. - 336 p.: ill., tab. - (Higher professional education. Informatics and computer technology). - Stamp: approved by AMA. - ISBN 978-5-7695-9222-5.
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