Документ подписан простой электронной подписью
Информация о владельце:
ФИО: Петренко Вячеслав Иванович
Должность: и.о. директора Института цифрового развития
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Discipline annotation

Discipline name	**Разработка и эксплуатация защищенных информационных систем / Development and operation of secured information systems**
Summary	Composition of information systems. Classification of information systems. Standard model of open systems interaction. Internet protocols. Main directions of information protection in information systems. The concept of a secure information system. General approaches to designing secure information systems. Main stages of designing information systems in a secure design. Vulnerabilities of information system elements used to implement information security threats. Classification of information security threats. Ways to use anti-virus protection tools. Perspective technologies of biometric authentication. Information protection strategies in the construction of protection systems. General characteristics of terminal access technology.
Learning outcomes of the discipline	- uses software (software and hardware) means of protecting automated systems against unauthorized access to information and special software impacts on it - applies Methods for monitoring the security of information against unauthorized access and special software impacts
Workload, c. u.	3 c. u.
Reporting Forms	Graded - 7th semester
List of essential and supplementary literature necessary for mastering the discipline	
Essential literature	1. Beskid P. P. Designing secure information systems. Part 1. Structural design. Protection from physical fields / Electronic source: Study guide / P. P. Beskid, V. Yu. Sukhodolsky, Yu. M. Shaparenko. - Designing secure information systems. Part 1. Structural design. Protection from physical fields, 2023-06-06. - St. Petersburg: Russian State Hydrometeorological University, 2008. - 196 p. - The book is in the premium version of IPR BOOKS ELS. - ISBN 978-5-86813-235-3. 2. Design and technical operation of digital telecommunication systems and networks: [study guide] / [E. B. Alekseev, V. N. Gordienko, V. V. Krukhmalev and others]; ed. by V. N. Gordienko, M. S. Tvertsky. - 2nd ed., revised. - M: Goryachaya linia-Telecom, 2012. - 392 p.: ill. – Stamp: recommended by the AMA. - Bibliography: p. 381-388. - ISBN 978-5-9912-0254-3.
Supplementary literature	1. Gvozdeva, T. V. Design of information systems: computer-aided design technology. Laboratory workshop/ Electronic source / Gvozdeva T.V., Ballod B.A. - 2nd ed., reprint. - St. Petersburg: Lan, 2020. - 156 p. - ISBN 978-5-8114-5147-0. 2. Abramov, G. V. Design of information systems / Electronic source: textbook / L. A. Korobova / I. E. Medvedkova / G. V. Abramov; ed. by I. A. Avtsinov. - Design of information systems, 2020-09-27. - Voronezh: Voronezh State University of Engineering Technologies, 2012. - 172 p. - The book is in the basic version of IPRbooks ELS. - ISBN 978-5-89448-953-7.