

Документ подписан простой электронной подписью
 Информация о владельце:
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Discipline annotation

Discipline name	Основы информационной безопасности / Fundamentals of information security
Summary	The concept of national security. The concept of information security. State information policy. Information Society Development Strategy until 2030. Concept and types of information, properties of information and systems of its processing. Problems of the information war. Computer systems in the field of state and municipal management. Modern formulation of the problem of information security. Organizational and legal support of information security. Information security threat analysis. Causes, types and channels of information leakage. Functions and objectives of information security. Information security strategies. Methods for ensuring information security. Methods and means of information protection. Cyber threats. Cyber money. Bitcoin cryptocurrency. The concept of electronic money. Analysis of existing methods for determining information security requirements. Digital economy
Learning outcomes of the discipline (module)	<ul style="list-style-type: none"> - determines the place and role of information security in the national security system of the Russian Federation; - analyzes the main means and methods of ensuring information security, the principles of building information security systems; - classifies and evaluates information security threats for the informatization object - knows the concepts of information, information technologies, information security, the basics of state information policy; - applies modern information technologies in professional activities, classifies protected information by types of secrets and degrees of confidentiality; - determines the role of information, information security in modern society, their importance in ensuring the objective needs of the individual, society and the state.
Workload, c. u.	4 c. u.
Reporting Forms	Exam- 3rd semester
List of essential and supplementary literature necessary for mastering the discipline	
Essential literature	Nesterov S.A. Fundamentals of information security / Electronic source: study guide / Nesterov S. A. - Fundamentals of information security, 2021-03-25. - St. Petersburg: Peter the Great St. Petersburg Polytechnic University, 2014. - 322 p. - The book is in the premium version of IPR BOOKS ELS. - ISBN 978-5-7422-4331-1
Supplementary literature	Sychev, Yu. N. Fundamentals of information security: educational and practical guide / Yu. N. Sychev. - Moscow: Eurasian Open Institute, 2010. - 328 p. - http://biblioclub.ru/ . - ISBN 978-5-374-00381-9