

Документ подписан простой электронной подписью

Информация о владельце:

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Annotation on the module “Elective disciplines Б1.Б.ДВ.4”

Discipline name	Безопасность баз данных / Databases security
Summary	General principles for building databases: relational, hierarchical and network models; distributed databases in computer networks; general characteristics, purpose and capabilities of database management systems (DBMS); DBMS language tools for various data models; language tools for manipulating data in relational DBMS; language tools for describing data of relational DBMS; optimization of performance and characteristics of access to databases; database security tools: means of identification and authentication of database objects, language means of access control, the concept and implementation of the mechanism of roles, the organization of auditing events in database systems;
Learning outcomes of the discipline	- able to monitor the operation of communication means of telecommunication networks, protection of facilities and communication means of telecommunication networks against unauthorized access - able to manage the operation of communication means of telecommunication networks, protection of facilities and communication means of telecommunication networks against unauthorized access - able to administer the information security systems of automated systems
Workload, c. u.	3 c. u.
Reporting Forms	Exam - 5th semester
List of essential and supplementary literature necessary for mastering the discipline	
Essential literature	1. Gaidamakin, N. A. Automated information systems, databases and data banks: an introductory course: textbook for universities / N. A. Gaidamakin. - M.: Helios ARV, 2013. - 368 p.: ill. - Bibliography: p. 354-355. - Alphabetical index: p. 356-364. - ISBN 5-85438-035-8 2. Abstract of lectures on the discipline "Methods and means of automation of institutional activities" for students of the specialty 220200 "Automated systems for information processing and management" / comp. by V. P. Mochalov; rev. by N. N. Mukhin. - Stavropol: NCSTU, 2013. - 227 p. - Bibliog.: p. 226
Supplementary literature	1. C. J. Date. Introduction to database systems. Moscow. St. Petersburg. Kiev: WILLIAMS, 2013 2. Scott Urman. Programming in PL/SQL. M.: LORI, 2015 3. Smirnov S. N. Working with Oracle. M.: Helios, 2016 4. Guidelines for the implementation of term papers in the discipline "Technology for building secure automated systems" for students of specialty 090105 2. "Integrated information security of automated systems" / comp. by Grakov V. I.; rev. by Chipiga A. F. - Stavropol: NCSTU, 2015. - 47 p. - Bibliography: p. 20-22 (29 items)