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Информация о владельце:

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Abstract to the work program of the discipline

Name of the discipline (module)	Biological safety of food / Food safety
Summary	Legal and ethical acts regulating the composition and properties of food products. Ways of food contamination in the trophological chain. Hygienic characteristics of xenobiotics, their classification. Pollution of raw materials and food products from the environment. Lipid oxidation products; antialimentary nutrition factors; metabolism of foreign substances in food raw materials and food products. Veterinary, sanitary and technological monitoring of the production of environmentally safe products. Genetic engineering and security issues. Principles of formation and quality management of food products. Basics of washing and disinfection in food enterprises.
The results of mastering the discipline (module)	He knows the main ways of contamination of raw materials and food products to obtain biologically safe food products; technical requirements for raw materials, materials, finished products; ways to implement a quality management system for biotechnological products in accordance with the requirements of Russian and international quality standards. He is proficient in methods of analyzing the main parameters of biotechnological processes, properties of raw materials and products; methods of implementing a quality management system for biotechnological products in accordance with the requirements of Russian and international quality standards. He is able to carry out the technological process in accordance with the regulations and use technical means to measure the main parameters of biotechnological processes, properties of raw materials and products; implement a quality management system for biotechnological products in accordance with the requirements of Russian and international quality standards. Implements quality, safety and traceability management systems for the production of biotechnological products for the food industry. Develops measures to prevent and eliminate the causes of product defects based on data from technological quality control of raw materials, semi-finished products and finished products in the production process. Monitors compliance with technological discipline in the workshops and the proper operation of technological equipment.
Labor intensity, ie.	33.e.
Reporting form	Зачет с оценкой
The list of basic and additional literature necessary for the development of the discipline	
Basic literature	1. 1. Zharikova, G. G. Microbiology of food products. Sanitation and hygiene : textbook for universities / G. G. Zharikova. - 3rd ed., ster. - M. : Academy, 2008. - 300 p. : ill. - (Higher professional education). - Bibliogr.: p. 297. - ISBN 978-5-7695-5759-0 2. Kalenik, T. K. Commodity science and expertise of food products obtained from genetically modified sources. Quality and safety : a textbook for students of higher educational institutions studying in the specialty 080401 (351100) "Commodity science and examination of goods" / T. K. Kalenik, L. N. Fedyanina, T. V. Tanashkina. - Rostov-on-Don : Phoenix : March, 2010. - 222, [1] p.: ill., table. - (Training course). - Vulture: Rec. UMO. - Adj.: pp. 102-211. - Bibliogr.: pp. 95-101. - Glossary: pp. 212-2
Additional literature	1. 1. Donchenko, L. V. Food safety : textbook / L. V. Donchenko, V. D. Nadykta. - 2nd ed., reprint. and add. - M : Delhi print, 2005. - 539 p. : ill. - Rec. of the

	Ministry of Agriculture of the Russian Federation. - Bibliogr.: p. 517. - ISBN 5-943430-092-X 2. Donchenko, L. V. Food industry safety : [textbook] / L.V. Donchenko, V.D. Nadykta. - 2nd ed., reprint. and additional - M. : Delhi print, 2007. - 539 p. : ill., tab. - Bibliogr. at the end of the chapters. - ISBN 978-5-94343-092-3 3. Merkulova, N. G. Production control in the dairy industry: practice. manual / N.G. Merkulova, M.Yu. Merkulov, I.Yu. Merkulov. - St. Petersburg : Profession, 2009. - 656 p. - Adj.: pp. 599-626. - Bibliogr. at the end of the chapters. - ISBN 978-5-93913-180-3 4. Merkulova, N. G. Production control in the dairy industry: practice. manual / N.G. Merkulova, M.Yu. Merkulov, I.Yu. Merkulov. - St. Petersburg : Profession, 2010. - 656 p. - Adj.: pp. 599-626. - Bibliogr. at the end of the chapters. - ISBN 978-5-93913-180-3 5. Obraztsov, V. A. Food safety : a guide for investigators / V.A. Obraztsov. - M.: Exam, 2005. - 256 p. - (Law enforcement agencies). - Adj.: pp. 147-255. - Bibliogr. in the substring. Note - ISBN 5-472-01109-4
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