

Документ подписан простой электронной подписью

Информация о владельце:

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### Abstract to the work program of the discipline

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| <b>Name of the discipline</b>                                                               | <b>Оборудование предприятий биотехнологической промышленности /<br/>Biotechnology industry equipment</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Summary</b>                                                                              | Classification, design and principle of operation of technological equipment for the production of biotechnological products; rules of operation and maintenance of technological equipment, methods of calculation and selection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| The results of mastering the discipline                                                     | Understands the methods of calculation and selection of technological equipment for the organization and conduct of experiments on the stages of introduction of new technological processes for the production of biotechnological products for the food industry<br>Has the opportunity to apply methods of selection and operation of technological equipment in the production of biotechnological products for the food industry<br>It is able to determine the technological efficiency of equipment for the production of biotechnological products for the food industry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Labor intensity, ie.                                                                        | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Reporting form                                                                              | Control work<br>Exam                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| The list of basic and additional literature necessary for the development of the discipline |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Basic literature                                                                            | 1. Evdokimov, I. A. (SevKavGTU). Fundamentals of technology and equipment of biotechnological industries : studies. the manual / I. A. Evdokimov, S. V. Vasilisin, M. I. Shramko ; FGBOU Sev.-Kav. gos. tech. Univ. – Stavropol : SevKavSTU Publishing House, 2012. – 251 p.: ill. – Bibliogr.: p. 249.<br>2. Fundamentals of design and equipment of enterprises of the biotechnological industry : a collection of tasks / compiled by O. N. Chechina. — Samara : Samara State Technical University, EBS DIA, 2015. — 268 p. — ISBN 978-5-7964-1824-6. —<br>3. Text : electronic // Electronic library system IPR BOOKS : [website]. — URL: <a href="http://www.iprbookshop.ru/90680.html">http://www.iprbookshop.ru/90680.html</a>                                                                                                                                                                                                                                                                                                                                  |
| Additional literature                                                                       | 1. Zhukov V.I. Processes and devices of food production [Electronic resource] : textbook / V.I. Zhukov. — The electron.text data. Novosibirsk: Novosibirsk State Technical University, 2013. — 188 p. — 978-5-7782-2403-2. — Access mode: <a href="http://www.iprbookshop.ru/45150.html">http://www.iprbookshop.ru/45150.html</a><br>2. Voblikova T.V. Processes and devices of food production [Electronic resource] : textbook / T.V. Voblikova, S.N. Shlykov, A.V. Permyakov. — The electron.text data. — Stavropol: Stavropol State Agrarian University, AGRUS, 2013. — 212 p. — 978-5- 9596-0958-0. — Access mode: <a href="http://www.iprbookshop.ru/47344.html">http://www.iprbookshop.ru/47344.html</a><br>3. Laboratory work on biotechnology machines and equipment. Part II [Electronic resource] : educational and methodical manual / E.I. Verboloz [et al.]. — Electron.text data. — St. Petersburg : ITMO University, 2016. — 90 p. — 2227-8397. — Access mode: <a href="http://www.iprbookshop.ru/67239.html">http://www.iprbookshop.ru/67239.html</a> |