

Документ подписан простой электронной подписью
Информация о владельце:
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Annotation to the work program of the discipline

Name of disciplines	Физика / Physics
Summary	physical foundations of mechanics; molecular physics and thermodynamics; electricity; magnetism; optics; quantum physics; elements solid state physics; nuclear physics; physical practice.
The results of mastering the discipline (module)	uses the basic laws of the disciplines of the mechanical engineering module; knows the fundamental features of modeling mathematical, physical and chemical processes, designed for specific technological processes;
labor input, cu	12
Reporting Forms (including by semesters)	Exam
List of main and additional literature necessary for mastering the discipline	
Main literature	1. Savelyev, I. V. Course of general physics: [proc. allowance], V. 1, Mechanics. Molecular physics. - St. Petersburg. - M. - Krasnodar: Doe, 2008. - 432 p. : adj., ill. - (Classical educational literature on physics). - Tit. l. parallel Russian, English – Regional: Top Classics textbooks. Knowledge. Confidence. Success. – Prem. decree: p. 429-432. - ISBN 978-5-8114-0629-6. – ISBN 978-5-8114-0630-2 2. Savelyev, I. V. Course of general physics: [proc. allowance], V. 2, electricity and magnetism. Waves. Optics. - St. Petersburg. - M. - Krasnodar: Lan, 2008. - 496 p. : adj. - (Classical educational literature on physics). - Tit. l. parallel Russian, English – Regional: Top Classics textbooks. Knowledge. Confidence. Success. – Prem. decree: p. 493-496. - ISBN 978-5-8114-0629-6. – ISBN 978-5-8114-0631-9 3. Savelyev, I. V. Course of general physics / [proc. allowance], V. 3, quantum optics. Atomic physics. Solid state physics. Physics atomic nucleus and elementary particles. - St. Petersburg. - M. - Krasnodar: Doe,

	2008. - 318 p. : adj. – (Classical educational literature on physics). - Tit. l. parallel Russian, English - On the region: The best classical textbooks. Knowledge. Confidence. Success. – Prem. decree: p. 314-317. – ISBN 978-5-8114-0629-6. – ISBN 978-5-8114-0632-6.
Additional literature	1. Trofimova, T. I. Physics course: [proc. allowance*]. - 19th ed., erased. - M. : Academy, 2012. - 558 p. : ill. – (Higher professional education). – Prem. decree: p. 537-549. – ISBN 978-5-7695-9433-5 2. Sivukhin, D.V. General course of physics: textbook: in 5 volumes / D.V. Sivukhin. - 4th ed., stereo. - M. : Fizmatlit, 2005. - T. 1. Mechanics. - 560 p. - ISBN 5-9221-0225-7; The same [Electronic resource]. - URL: //biblioclub.ru/index.php?page=book&id=82978 3. Sivukhin, D.V. General course of physics: textbook: in 5 volumes / D.V. Sivukhin. - 5th ed., Rev. - M. : Fizmatlit, 2006. - V. 2. Thermodynamics and molecular physics. - 544 p. - ISBN 5-9221-0601-5; The same [Electronic resource]. - URL: //biblioclub.ru/index.php?page=book&id=82995 4. Sivukhin, D.V. General course of physics: textbook: in 5 volumes / D.V. Sivukhin. - 5th ed., erased. - M. : Fizmatlit, 2009. - T. 3. Electricity. - 655 p. - ISBN 978-5-9221-0673-3; Same [Electronic resource]. - URL: //biblioclub.ru/index.php?page=book&id=82998 5. Sivukhin, D.V. General course of physics: textbook: in 5 volumes / D.V. Sivukhin. - 3rd ed., stereo. - M. : Fizmatlit, 2002. - T. 4. Optics. - 792 p. - ISBN 5-9221-0228-1; The same [Electronic resource]. - URL: //biblioclub.ru/index.php?page=book&id=82981 6. Volkenshtein, V.S. Collection of problems in the general course of physics: for students. tech. universities / V. S. Volkenshtein. - 3rd ed. correct and additional - St. Petersburg: Knizhny Mir, 2007. - 327 p. : ill. - App.: p. 308-327. – ISBN 5-86457-2357-7 7. Chertov, A. G. Task book on physics: [textbook. allowance for technical colleges] / A. G. Chertov, A. A. Vorobyov. - 8th ed., revised. and additional - M. : Fizmatlit, 2007. - 640 p. : ill. - App.: p. 623-640. – ISBN 5-94052-098-7 8. B. M. Yavorsky, A. A. Detlaf. Handbook of Physics. - M.: Nauka, 1981. - 509 p. - Item decree: p. 493-506.