Course Title	*Computer Graphics*
Number of Lectures	*34*
Number of Seminars	*34*
Language of the Course	*English*
Name of the Lecturer, occupation, scientific degree	*Professor Sergey Ablameyko, Doctor of Technical Sciences*
Lecturer's personal page	*http://www.bsu.by/main.aspx?guid=2451&map=7601*
Goals	*Theoretical and technical training of students in the creation of software for computers to solve problems in different areas of the economy*
Prerequisites	*«Programming», «Mathematical Logic», «Discrete Mathematics», «Geometry», «Computational Geometry», «Computer Graphics», «Mathematical Models and Methods of Pattern Recognition», «Intelligent Information Systems»*
Contents	*- Input and processing of images;* *- Methods and algorithms for recognition and representation of images;* *- A technology for creating image processing systems*
Teaching methodology	*Lectures, essays, and discussions*
Recommended literature	*1. Sadykov S.S., Kadyrova G.H., Azimov S. Digital image processing. – Tashkent: FAN, 1998. – 168 pp. (in Russian)* *2. Semenkov O.I., Ablameyko S.V., Berejshik V.I, Starovojtov V.V. Processing and presentation of information in raster graphics systems. – Minsk: Nauka I technika, 1989. – 181 pp. (in Russian)* *3. Pratt W.K. Digital Image Processing (Fourth edition). Wiley, 2007, 807 pp.* *4. Pawlidis T. Algorithms for Computer Graphics and Imaging. – M.: Radio i swiaz, 1986. (in Russian)* *5. Ablameyko S.V., Lagunovskij D.M. Image processing: technology, methods, application. Minsk: Amalfeia, 2000. – 300pp. (in Russian)*
Examination methodology	*Oral examination: 60 %. Essay: 40 %*
Recommended for	*3 -year undergraduate students*