

Министерство образования Республики Беларусь  
Учреждение образования  
«Гродненский государственный университет  
имени Янки Купалы»  
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APPROVED  
«\_01\_» February 2021 y.  
Chairman  
of the Admissions Committee  
Rector of Yanka Kupala State  
University of Grodno  
I. Kiturka

**THE LIST OF TOPICS OF EDUCATIONAL DISCIPLINES**  
for an additional interview with applicants  
from among foreign citizens and stateless persons,  
temporarily staying or temporarily residing in the Republic of Belarus,  
for obtaining second stage of higher education in the specialty  
**1-53 80 01 «Industrial Automation» (profilisation «Analysis and management in digital  
economy systems»)**  
(English language of tuition)

Name of the educational discipline	The list of topics of the educational discipline
Software Development Technologies	<ol style="list-style-type: none"><li>1. The basic concepts of the process approach, features of functional modeling of the subject area.</li><li>2. General characteristics of structural analysis and design technologies SADT (Structured Analysis and Design Technique).</li></ol>
Database	<ol style="list-style-type: none"><li>1. Basic data processing algorithms: sorting, searching methods, matrix processing, row processing.</li><li>2. Data models: hierarchical models, network models, relational models, post-relational models.</li></ol>