Don State Technical University HIGHER EDUCATION SYLLABUS IN	
1.1Name of the study programme (in the original language)	Информационные системы и процессы
1.2.Name of the study programme in English	Information systems and processes
1.3.Qualification (degree)	researcher, lecturer and researcher
1.4.Mode of education	full-time study, part-time study
1.5.Educational department	Faculty «Power and communication systems», Department "Computing systems and information security"
1.6.Workload (ECTS)	240
1.7.Duration of education	4 years (full-time study) 5 years (part-time)
1.8.Field	Informatics and computer facilities
1.9.Profile	Information systems and processes
1.10.Code of the field	09.06.01
1.11.Teaching languages	Russian
1.12.Other necessary languages	
1.13.Approved by the educational department (date)	
1.14.Admission requirements	Diploma of higher education (specialist's or master's degree), entrance examinations (foreign language, philosophy, special discipline)

2.Aim of the programme	
The aim of the program is to train highly qualified specialists in the field of information technology - researchers, teachers - researchers, who have a professional knowledge of information processes, specialists corresponding to the modern world level of general cultural and professional competencies, prepared for further independent learning and continuous professional self-improvement.	

3.Characteristics of the programme	
3.1 Main disciplines/modules	Information systems and processes Research project Foreign language History and philosophy of science Information technologies in science and education Psychology and pedagogy of the higher school
3.2 Elective disciplines	design and implementation of educational program on basis of Federal Educational Standard management and marketing in sciences

4.Employment and further education opportunities	
4.1 Job opportunities	Research activities in this area. Teaching activities on higher education educational programs.

5. Programme learning outcomes	
1. Conduct professional and pedagogical activities in the field of computer science and technology with the use of modern information and educational technologies.	

2. To carry out theoretical and experimental studies of the processes of creation, accumulation and processing of information, the results of research to be presented in the form of scientific publications, software packages, information and analytical materials and presentations.
3. To collect and analyze scientific and technical information, to formulate goals and objectives for further research, to develop new information and communication technologies for the introduction of the educational process, institutions and enterprises of industry.
4. To make plans, programs, schedule of the research team and coordinate the activities of the performers, including the development of technical documentation, taking into account the results of patent research, licensing and copyright protection.
5. Plan and solve problems of own professional growth, including in interdisciplinary areas.
6. Take the initiative in the field of research in situations of technical risk.

6.Education style (Teaching, learning, assessment)

6.1. Learning and teaching approaches: problem solving method, project method, active teaching methods: small group method, business game, press conference, brainstorming, round table.

6.2. Assessment methods: reports, abstracts, presentations, creative assignments, case-study method.

7.Contact information (responsible chair, head of the programme)

Department "Computer systems and information security", the head of the program is Doctor of Technical Sciences, Professor Fathi Vladimir Akhatovich