



# **SUMMARY REPORT**

on public accreditation of the cluster of educational programmes in

«Pharmacy» (33.05.01)

Delivered by the Federal State Autonomous Educational Institution of Higher Education «North-Caucasus Federal University»

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#### GENERAL INFORMATION ON EDUCATIONAL INSTITUTION

Full name of the Federal State Autonomous Educational Institution of educational Higher Education «North-Caucasus Federal University»

institution Founders

Ministry of Education and Science of the Russian

Federation

Year of 1971 — Stavropol Polytechnic Institute foundation 1994 — Stavropol State Technical University

> 1999 — North-Caucasus State Technical University 2011 — FSBFI HVF «North-Caucasus State Technical

**University**»

2012 — FSAEI HVE «North-Caucasus Federal

University»

2016 — FSAEI HE «North-Caucasus Federal

University»

Location 1, Pushkin Str., Stavropol, 355009

Rector Alina Levitskaya, Candidate of Philological Sciences,

Professor

License Series 90Л01 №9291 reg. № 2242 dated 01.07.2016

permanent

State Certificate of State Accreditation Series 90A01 № accreditation

2398, reg. №2276 dated 29,09,2016 valid till

21.03.2020

Number of 17579 students includina:

> full-time 11197 on-site and off-site 81 part-time 6301

#### INFORMATION ON THE EDUCATIONAL PROGRAMMES UNDERGOING ACCREDITATION

Educational programmes

«Pharmacy» (33.05.01)

Level of training / Standard period of Pharmacist / 5 years

training

Structural subdivision (head)

Institute of Life Sciences (Inna Aksyonova, Doctor of Chemical Sciences, Professor)

Major departments (heads)

Department of Medical Biochemistry, Clinical Laboratory Diagnostics and Pharmacy (Evgeniya Denisova, Candidate of Biological

Sciences)

Date of the site visit

25-27 April 2017

Person responsible for public accreditation

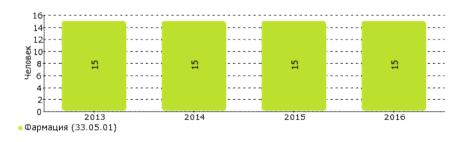
Irina Solovyova, Head of the Methodological

Department

# SAMPLING RESULTS OF THE PROJECT «THE BEST EDUCATIONAL PROGRAMMES OF INNOVATIVE RUSSIA»

Indicators	2017			
Cluster of the educational programmes «Pharmacy» (33.05.01)				
Number of the given programmes in the RF	63			
Number of higher educational institutions to offer the given programmes	63			
Number of programmes – winners of the project (% from total amount of these programmes offered in the RF)	22 (34,9%)			
Stavropol Region				
Number of the given programmes offered in the region	2			
Number of programmes – winners of the project (% from total amount of these programmes offered in the region)	2 (100%)			
Number of higher educational institutions and branches in the region	57			
Total number of programmes offered in the region	386			
Total number of programmes – winners of the project (% from total amount of these programmes offered in the region)	75 (19,4%)			

# REFERENCE DATA ON STUDENT ENROLLEMENT FOR EDUCATIONAL PROGRAMMES



#### **ACHIEVEMENTS OF THE EDUCATIONAL PROGRAMMES**

### Quality of the delivered educational programmes

Implementation of the educational programmes is carried out in accordance with the mission and development strategy of the University. Educational activities are aimed at regional demands. Education quality policy is discussed with the directors and stakeholders. Methods of goals achievement of the educational programmes are developed and represented in the Model of the System of Education Quality Assurance as well as in NCFU regulations.

Analysis of academic progress for 3 years showed that quality of knowledge is more than 82%, the average mark is 4,48. There were no reclamations for the graduates since 2012.

Availability of the system of quality assurance for the public provides continuous improvement of quality of the educational process.

#### Providing up-to-date contents of education

Up-to-date contents of education correspond to the requirements of the educational standards and stakeholders demands. The University holds different opinion polls and interviews with employers, students, parents, and school graduates. The University uses electronic technologies to improve methodological support of the disciplines. Students are actively involved in project activities and make projects on topical issues of pharmaceutical science. The agreements with leading pharmaceutical enterprises of North Caucasian Federal District are concluded.

Opinions of students and employers are taken into account during making of the working programmes and programmes of disciplines and practices. Review of the working programmes and programmes of disciplines is carried out every year.

#### Teaching staff

A highly qualified teaching staff having academic degrees works at the Faculty. All teachers of the Department attend the courses of professional development. The teachers have a high level of professional recognition.

Results of educational, methodological and research activities of teachers are taken into account during annual summarizing of work as well as during the competition to fill the vacancies.

The University staff policy allows to provide the conditions for systematic professional development of teachers and involvement of highly qualified specialists in the educational process.

### Independent assessment of knowledge

Students of the programme 33.05.01 Pharmacy systematically participate in the Federal Internet Exam in the sphere of Professional Education.

The educational programme regularly participates in the procedures of independent assessment of learning outcomes. Students have the possibility to participate in different projects on independent assessment of knowledge. Employers are actively involved in the educational process and independent assessment of learning outcomes.

#### Educational resources

Material and technical resources correspond to the requirements of the Federal State Education Standards of Higher Education. Classrooms are provided in accordance with modern requirements. All subdivisions are provided with computers and other equipment. The NCFU scientific library is one of the largest university libraries in the Russian Federation. It is modern in technological infrastructure and comfortable for organization of readers' service.

#### Research activity

Research activity at the Department of Medical Biochemistry, Clinical Laboratory Diagnostics and Pharmacy is planned for the whole year on the basis of teachers' suggestions with the account of general research area of the Department. Since 2012 students and teachers have participated in 180 conferences (15 international, 23 Russian, 35 regional, 106 University conferences). 276 articles and thesis of students and teachers were published. The total sum of earnings was 1200000 rubles.

The applications for competitions, research projects, grants organized by different funds and institutions (including RSF and RFBR), and presidential grants are filed every year. The estimated number of research projects is more than 20. A high level of research is supported by more than 40 awards at international exhibitions and conferences held in China, Germany, Switzerland, etc. The projects «Biohyaluronidase Film», «Test System on the Basis of Cholinesterase», «Trypsin-Containing Film» won gold medals at the annual international specialized exhibitions «The World of Biotechnology» and «RosBioTech».

### Academic mobility of students

The University cooperates with 41 foreign universities. The competition among students and doctoral students on participation in long-term academic mobility was held in 2015-2016. 15 students went to leading foreign universities during the second semester. Plans of short-term mobility of students and doctoral students, internships of teachers are approved every year. The University holds the courses of language skills improvement for students, masters, doctoral students and teachers.

Possibilities of universities on academic mobility for students of the educational programme 33.005.01 Pharmacy are studied in the context of cooperation.

# Employability of graduates

Conditions of job search for the graduates are created. Information about large educational organizations-employers, current vacancies, places of practice is represented on the page «Student» in the section «Employability and Career» of the University web-site. Monitoring studies on the issues of graduates employability and professions demand on the labour market are carried out. The results of analysis of graduates' employability are considered at the meetings of the Department.

Employability of graduates is 100%.

#### International projects

The teaching staff involved in training of the educational programme 33.05.01 Pharmacy develops relationships with the partners in the Russian Federation (Volgograd State Medical University, Pyatigorsk Medical Pharmaceutical Institute, Voronezh State University, Belarusian State University), integration with other educational institutions.

The Sumy State University (Ukraine), University of Manitoba, Centre of Disability Problems (Canada), University of Oxford organized lectures for students and teachers of NCFU.

The educational programme «Pharmacy» (33.05.01) successfully passed independent assessment of education quality on certified accredited pedagogic assessment materials (APAM) in the frames of the project «Federal Internet Exam in the Sphere of Professional Education» (Quality Certificate  $N^{\circ}$  2016/2/123 or 03.03.2017).



#### **EXTERNAL REVIEW PANEL**



Ivars Kalvins (Latvia)

Review Chair, foreign expert

Doctor of Chemical Sciences, Professor, Head of the Department of Medical Chemistry, Latvian Institute of Organic Synthesis



#### Valentina Markova (Russia)

Deputy Review Chair, Russian Expert

Candidate of Pharmaceutical Sciences, Associate Professor at the Department of Pharmaceutical Economics and Management, FSBEI HE «Saint Petersburg State Chemical Pharmaceutical Academy», Ministry of Healthcare of the Russian Federation, member of the Guild of Experts in Higher Education

A nominee of the Guild of Experts in Higher Education



#### Natalya Golyak (Belarus)

Panel member, foreign expert

Candidate of Pharmaceutical Sciences, Associate Professor, Head of the Department of Pharmaceutical Technology, Belarusian State Medical University

A nominee of the Board of Higher Education, the Ministry of Education of the Republic of Belarus



#### Мовсесян Левон Эдуардович (Russia)

Panel member, representative of the professional community

Head of the Department of Licensing in the Sphere of People's Healthcare, Ministry of Healthcare of the Stavropol Region

A nominee of the Ministry of Healthcare of the Stavropol Region



Ludmila Vzdorova (Russia)

Panel member, representative of students

Chairman of the Rostov Regional Department of the Russian Non-Governmental Organization «RUSSIAN STUDENT UNION»

A nominee of the Russian Non-Governmental Organization «Russian Student Union»

### INFORMATION ON THE LEADING TEACHERS OF THE EDUCATIONAL PROGRAMMES

#### **Evgeniya Denisova**

Candidate of Biological Sciences, i/c Head of the Department of Medical Biochemistry, Clinical Laboratory Diagnostics and Pharmacy

#### Tamara Glizhova

Candidate of Pharmaceutical Sciences, Associate Professor of the Department of Medical Biochemistry, Clinical Laboratory Diagnostics and Pharmacy

#### **Olga Samsonova**

Candidate of Pharmaceutical Sciences, Associate Professor of the Department of Chemistry

#### **Anna Aulova**

Candidate of Biological Sciences, Associate Professor of the Department of Botany, Zoology and General Biology

#### **Lubov Tverdyakova**

Candidate of Biological Sciences, Associate Professor of the Department of Anatomy and Physiology

#### **Svetlana Aynazarova**

Candidate of Pedagogical Sciences, Associate Professor of the Department of Foreign Languages for Humanitarian and Natural Science Specialities

#### Lousine Bagdasaryan

Associate Professor of the department of Informatics

### **Evgeny Melchenko**

Candidate of Medical Sciences, Associate Professor of the Department of Medical Biochemistry, Clinical Laboratory Diagnostics and Pharmacy

### Tatyana Pakhomova

Candidate of Biological Sciences, Associate Professor of the Department of Anatomy and Physiology

#### **Vladimir Goncharov**

Doctor of Chemical Sciences, Professor of the Department of Chemistry

#### **Svetlana Andrusenko**

Candidate of Biological Sciences, Associate Professor of the Department of Medical Biochemistry, Clinical Laboratory Diagnostics and Pharmacy

#### Anna Kadanova

Assistant of the Department of Medical Biochemistry, Clinical Laboratory Diagnostics and Pharmacy

# COMPLIANCE OF THE EXTERNAL REVIEW OUTCOMES WITH THE STANDARDS

# STANDARD 1. Policy (goals, development strategy) and quality assurance procedures of the educational programme

Compliance with the standard: substantial compliance

### **Good practice:**

There are clearly defined purposes and development strategies of the educational programme corresponding to the mission and development strategy of the University and region.

An internal system of quality assurance provides continuous improvement of quality in accordance with the University development strategy.

All stakeholders are involved in development and implementation of policy of quality assurance.

#### **Areas for improvement:**

It is recommended to develop the procedure of collection, analysis and use of stakeholders' recommendations about effectiveness of the system of quality assurance.

It is advisable to prepare a documentation package to receive a license for the educational programme «Pharmacy» (levels of training - residency, PhD studies).

### STANDARD 2. Design and approval of programmes

Compliance with the standard: **substantial compliance** 

### **Good practice:**

The requirements of the labour market, professional standard, descriptors of the National Framework of Qualifications of the Russian Federation are taken into account during development and correction of the educational programme.

Purposes and objectives of the educational programme are corrected every year.

Opinions of students (subjects at their choice) and employers (agreement of graduates' professional competences with employers, review of the educational programmes) are taken into account when making the working programmes.

Review of the working programmes and programmes of disciplines is carried out every year.

Training allows to achieve four goals of higher education defined by the Council of Europe: preparation for stable professional occupation, preparation for active citizenship in a democratic society, personal development, continuous development and supplement of modern knowledge base with the help of training and research.

#### **Areas for improvement:**

It is recommended to consider development of joint international educational programmes.

It is advisable to promote work on creation of the programmes of double degrees and extend cooperation with foreign universities.

### STANDARD 3. Student-centered learning and assessment

### Compliance with the standard: **substantial compliance**

#### **Good practice:**

Regular assessment of students' competences on course units and disciplines in whole is used in the educational process on the basis of the rating system of knowledge assessment of the educational programme «Pharmacy». It is regulated by the Provision on Organization of the Educational Process on the Basis of the Rating System of NCFU Students' Knowledge Assessment.

An objective system of learning outcomes assessment is used in accordance with the prescribed rules.

Demands of different student groups are taken into account when developing the educational programmes.

Students actively participate in development of the educational process.

#### Areas for improvement:

It is necessary to provide the possibility of making the individual learning paths.

It is recommended to increase effectiveness of appellation procedures and response to students' claims.

It is advisable to motivate students to participate in grant programmes and Olympiads.

It is necessary to promote use of resources of international cooperation with leading foreign universities implementing similar educational programmes to form professional competences of specialists.

# STANDARD 4. Student admission, support of academic achievements and graduation

# Compliance with the standard: substantial compliance

# **Good practice:**

The University and administration of the programmes establish relations with the educational and administrative institutions on work on career guidance.

Procedure of organization of employer-sponsored education promotes strengthening of relations with the regional educational complex as well as provision of graduates with work.

Advanced academic progress of students of specialists' degree is marked.

The system of moral and material incentives of students' academic achievements is actively used in the University.

There are regulated procedures of applicants' admission and relocation of students from other universities.

Students have the possibility to get the European Diploma Supplement.

#### **Areas for improvement:**

It is recommended to motivate students more actively to participate in the programmes of international academic mobility.

It is advisable to provide more active participation of students in research activities.

It is necessary to increase the amount of hours for foreign languages due to the variable part and courses at the choice.

#### STANDARD 5. Teaching staff

# Compliance with the standard: **substantial compliance**

#### **Good practice:**

High qualification and professional recognition of the teaching staff are marked.

Professions, academic degrees and practical work experience of the teaching staff correspond to the content of disciplines.

Employers and representatives of the regional professional community are actively involved in the educational process.

The teachers use modern technologies, innovative methods and interactive forms of training.

# **Areas for improvement:**

It is recommended to increase motivation of the teaching staff for research activities.

It is necessary to stimulate the teachers to participate in the programmes of international mobility.

It is advisable to enhance language training of teachers.

It is necessary to promote involvement of foreign teachers and professors in implementation of the educational programmes undergoing accreditation.

#### STANDARD 6. Learning resources and student support

Compliance with the standard: substantial compliance

#### **Good practice:**

Good continuously developing material and technical resources allow the students of the educational programme «Pharmacy» to participate in research activities.

An open access to electronic library systems, electronic books and dissertations, scientific periodicals, abstract and scientometrical data bases is provided in the University.

All students actively use electronic educational and scientific resources that provide high level of future specialists' preparation.

It is possible to directly communicate with the University administration in the section «Ask the Rector» on the official web-site.

### Areas for improvement:

It is recommended to provide the possibility for students and teachers to work with monographs, course books and study guides in the English language.

It is necessary to provide increase of attractiveness of the educational programmes undergoing accreditation for foreign students.

It is advisable to improve social infrastructure of the University for students with special developmental and educational needs.

It is recommended to post the whole course of lectures and presentation materials of all disciplines of the educational programme «Pharmacy».

# STANDARD 7. Collection, analysis and use of information for managing the educational institution

Compliance with the standard: substantial compliance

#### **Good practice:**

There is a system of collection of information about the educational programme.

Analysis of the quality of the educational programme «Pharmacy» is carried out with the help of the system of information collection and questionnaire of students and teachers about their contentment with the educational programme.

Information collection is carried out with the help of the educational portal «Electronic Campus of NCFU».

## **Areas for improvement:**

It is recommended to implement officially registered public rating platform for assessment of activity of the teaching staff and students from the perspective of their academic and public success.

#### STANDARD 8. Public information

Compliance with the standard: **substantial compliance** 

#### **Good practice:**

Public information about specific character and achievements of the educational programme is carried out through various communication channels.

Information about the educational programme is available for all stakeholders and is regularly published on the University web-site and in regional mass media.

The official University web-site is informative, comfortable for the users, provides facility and availability of information search.

Objective information about graduates' employability is published on the web-site.

The University actively cooperates with professional and public regional and Russian organizations.

# **Areas for improvement:**

It is recommended to provide availability of information in the English language on the official web-site.

Integration with foreign professional organizations is necessary.

# STANDARD 9. On-going monitoring and periodic assessment of the educational programmes

Compliance with the standard: substantial compliance

# **Good practice:**

Regulated procedures of monitoring of the educational programmes allow to correct the educational process.

The educational programme «Pharmacy» is regularly assessed and reviewed with involvement of students and other stakeholders (employers, employers unions, subject-specific ministries and institutions – key partners on graduates' employability).

A feedback system is effectively used during monitoring of the educational programme.

#### **Areas for improvement:**

It is recommended to involve foreign experts in monitoring and periodical assessment of the educational programmes undergoing accreditation.

# STANDARD 10. Cyclical external quality assurance of the educational programmes

Compliance with the standard: **substantial compliance** 

#### **Good practice:**

External review of the educational programme undergoing accreditation with involvement of foreign experts, employers and student organizations is carried out regularly.

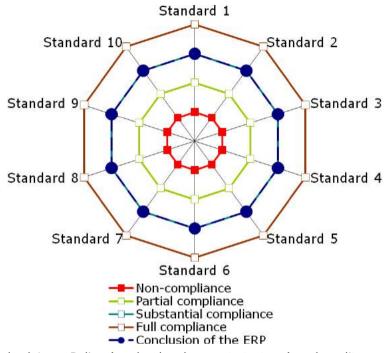
Transparence of audit results is provided with the help of their placement on the official web-site in open access.

#### Areas for improvement:

It is recommended to update the procedure of corrective actions on the results of external review of the educational programme «Pharmacy».

It is advisable to improve the system of interaction between the University and employers on the procedure of external review of quality of the educational programmes undergoing accreditation.

# DISTRIBUTION DIGRAM OF THE EXTERNAL REVIEW OUTCOMES



- Standard 1. Policy (goals, development strategy) and quality assurance procedures of the educational programmes
- Standard 2. Design and approval of programmes
- Standard 3. Student-centered learning, teaching and assessment
- Standard 4. Student admission, support of academic achievements and graduation
- Standard 5. Teaching staff
- Standard 6. Learning resources and student support
- Standard 7. Collection, analysis and use of information for managing the educational institution
- Standard 8. Public information
- Standard 9. On-going monitoring and periodic assessment of the educational programmes
- Standard 10. Cyclical external quality assurance of the educational programmes

#### **CONCLUSION OF THE EXTERNAL REVIEW PANEL**

Based on the self-evaluation report analysis, documents and data submitted the External Review Panel has come to the conclusion that the educational programme «Pharmacy» (33.05.01) **substantially comply** with the standards and criteria of public accreditation of the National Centre for Public Accreditation.

The Panel recommends that the National Accreditation Board accredit the educational programmes «Pharmacy» (33.05.01) delivered by the Federal State Autonomous Educational Institution of Higher Education «North-Caucasus Federal University» for the period of **6 years**.

# SCHEDULE OF THE SITE VISIT OF THE EXTERNAL REVIEW PANEL

Time	Activity	Participants	Venue			
April 25, Tuesday						
8.45	Arrival at the University	Academic Building № 2, 1, Pushkin Str.				
09.00 — 11.00	The first meeting of the externa	Room 121, Academic Building№ 2, 1, Pushkin Str.				
11.00 — 12.00	Meeting of the ERP with the University administration and people responsible for accreditation	Rector, Vice-Rectors, people responsible for accreditation, ERP	Conference hall of the Academic Council, 1, Academic Building № 2, Pushkin Str.			
12.00 — 13.00	Tour of the University (visiting classrooms, library, etc.)	ERP	Research library, Academic Building №3, 1, Pushkin Str.: Room 010 ETC «Nanotechnologies and Nanomaterials», Room 015, Hematological Museum, Rooms 017, 026, 111, research laboratories			
13.00 — 14.00	Lunch		1, Marshal Zhukov Str.			
14.00 — 15.30	Meeting with Institute Directors	Institute Director, Deputy Directors, ERP	Room 202, Academic Building № 3, 1, Pushkin Str.			
15.30 — 16.00	Internal meeting of the ERP	ERP	Room 112, Academic Building № 3, 1, Pushkin Str.			
16.00 — 17.00	Meeting with Heads of Departments	Heads of Departments, ERP	Room 202, Academic Building № 3, 1, Pushkin Str.			
17.00 — 17.30	Internal meeting of the ERP	ERP	Room 112, Academic Building № 3, 1, Pushkin Str.			
17.30 — 18.30	Meeting with graduates	Graduates, ERP	Room 103, Academic Building № 3, 1, Pushkin Str.			
18.30 — 19.00	Transfer to the hotel		1, Marshal Zhukov Str.			

April 26, Wednesday						
9.00 — 10.00	Meeting with representatives of professional community		OJSC Research and Production Group Company "ESCOM", Staromaryevskoye Shosse, 9r.			
10.00 — 10.20			Room 112, Academic Building № 3, 1, Pushkin Str.			
10.20 — 11.00	Meeting with representatives of professional community	Employers, ERP	Room 103, Academic Building № 3, 1, Pushkin Str.			
11.00 — 13.00	Internal meeting of the ERP, Work with documents / Visiting classes (at the wish of the ERP)	ERP	Room 112, Academic Building № 3, 1, Pushkin Str.			
13.00 — 14.00	Lunch		Academic Building № 1, 1, Pushkin Str. (University Cafe)			
14.00 — 15.00	Meeting with students	Students, ERP	Room 103, Academic Building № 3, 1, Pushkin Str.			
15.00 — 16.00	Internal meeting of the ERP	ERP	Room 112, Academic Building № 3, 1, Pushkin Str.			
16.00 — 17.00	Meeting with teachers	Teachers, ERP	Room 103, Academic Building Nº 3, 1, Pushkin Str.			
17.00 — 18.30	Internal meeting of the ERP	ERP	Room 112, Academic Building № 3, 1, Pushkin Str.			
18.30 — 19.00	Transfer to the hotel		1, Marshal Zhukov Str.			
April 27, Thursday						
7.45	Arrival at the University		Academic Building № 2, 1, Pushkin Str.			
08.00 — 12.00	Internal meeting of the ERP: discussion of preliminary results of the site visit, preparation of the oral report of the panel	ERP	Room 121, Academic Building № 2, 1, Pushkin Str.			
12.00 — 13.00	Closing meeting of the External Review Panel with the representatives of the University	ERP, University administration, Heads of the Graduate Departments, teachers, students	Conference hall, Room 200, Academic Building № 20, 1, Pushkin Str.			
13.00 — 14.00	Lunch		Academic Building № 1, 1, Pushkin Str. (University Cafe)			
	Departure, tour of Stavropol					