

Approved On the Academic Council of  
the Faculty of Advanced Training  
and Professional Development  
Of the State Budgetary Educational Institution  
of Higher Professional Education  
of the Ministry of Healthcare and  
Social Development of the Russian federation  
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**Modification of course schedule and curriculum** of the thematic extension cycle “Fundamental principles of immunology and immunodiagnostics” for doctors of clinical laboratorial diagnostics and biologists of clinical laboratorial diagnostics

**144 hours due to the introduction of course “Regenerative medicine” (12 hours)**

**Objective:** acquirement of knowledge in the sphere of regenerative medicine.

**Student criteria:** doctors of clinical laboratorial diagnostics and biologists of clinical laboratorial diagnostics

**Specialty:** clinical laboratorial diagnostics

**Cycle:** thematic extension course “Fundamental principles of immunology and immunodiagnostics” (12 hours – regenerative medicine course)

**Duration of cycle:** 144 hours (modification – 12 hours – regenerative medicine classes)

**Educational form:** full-time

**Mode of studies:** 6 hours a day

Disciplines	Lectures	Tutorials	Workshops	Total
1. Theoretical issues of regenerative medicine.	2			2
2. Fundamental legal principles of regenerative medicine. Bioethics issues.			2	2
3. Introduction of achievements of regenerative medicine into clinical practice	1			1
4. Hematopoietic stem cells in laboratorial and clinical			1	1

practice				
5. Human skin fibroblasts. From laboratory to clinical practice.	1			1
6. Role of research lab in the clinic in transplantations with the use of regenerative medicine technologies			1	1
7. Regenerative medicine methods: bioprinting and bionic tissue engineering	2			2
8. Scaffolds for cell cultivation in creation of bioengineered organs			1	1
9. Role of morphological methods of research in cell cultures and tissue-engineered transplant state estimation		1		1

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