

APPROVED
Rector of the BSU

S. A. Ablameyko

«20» 09 2013 г.

G 31-133 / yr.
от 20.09.2013 г.



CURRICULUM
Of the second level in higher education (master's degree)

Speciality: 1-31 80 01 Biology

Degree: Master of Biological Sciences

Term of studies – 2 years

I. Schedule of the educational process

| Number of the week | Months (approximately) | Basic contents of studies | Approximate study load | | |
|--------------------|--------------------------|-------------------------------|------------------------|--------------|--------------|
| | | | Total number of hours | Study hours* | Self-studies |
| 01-18 | September - January (18) | Academic studies and research | 972 | 288 | 684 |
| 19-21 | January (3) | Examinations | 162 | | 162 |
| 22-23 | January - February (2) | Holiday | | | |
| 24-40 | February - May (17) | Academic studies and research | 918 | 272 | 646 |
| 41-43 | June (3) | Examinations | 162 | | 162 |
| 44-52 | June - August (9) | Holiday | | | |
| 53-70 | September - January (18) | Academic studies and research | 972 | 300 | 672 |
| 71-73 | January (3) | Examinations | 162 | | 162 |
| 74-75 | January - February (2) | Holiday | | | |
| 76-84 | February - April (9) | Academic studies and research | 486 | 168 | 318 |
| 85-87 | April (3) | Examinations | 162 | | 162 |
| 88-91 | May (4) | Internship | 216 | | 216 |
| 92-95 | May - June (4) | Final attestation | 216 | | 216 |
| | | Total | 4428 | 1028 | 3400 |

II. Structure of the curriculum

| № п/п | Names of series of lectures, disciplines and types of activities for master's degree | Divided semester | | Work load (in hours)***** | | | Divided semester | | | | | | | | | | | |
|-----------|--|-----------------------|-----------------------|------------------------------|--------------|--------------------|------------------------|-----------------------|--------------|------------------------|-----------------------|--------------|------------------------|-----------------------|--------------|-----------------------|-----------------------|--------------|
| | | exa- mina- tion | preli- mina- ry | Total | As follows: | | 1 semester 18 weeks | | | 2 semester 17 weeks | | | 3 semester 18 weeks | | | 4 semester 9 weeks | | |
| | | | | | Study hs. | Self- study hs. | Study hs/ | Self- study hs. | Cre- dits | Study hs/ | Self- study hs. | Cre- dits | Study hs/ | Self- study hs. | Cre- dits | Study hs/ | Self- study hs. | Cre- dits |
| 1. | Series of disciplines for candidate exams and a preliminary | | | 768 | 316 | 452 | | | | | | | 204 | 218 | 3 | 112 | 234 | 17 |
| 1.1. | Philosophy and Methodology of Science | 4 | | 240 | 104 | 136 | | | | | | | 56 | 54 | | 48 | 82 | 6 |
| 1.2. | Foreign Language | 4 | | 420 | 140 | 280 | | | | | | | 76 | 128 | | 64 | 152 | 11 |
| 1.3. | Basics of Information Technologies | | 3 | 108 | 72 | 36 | | | | | | | 72 | 36 | 3 | | | |
| 2. | Series of disciplines for special qualification | | | 1758 | 712 | 1046 | 288 | 450 | 20 | 272 | 400 | 18 | 96 | 168 | 8 | 56 | 28 | 2 |
| 2.1 | <i>State component</i> | 1,2,3 | 1,2,4 | 898 | 398 | 500 | 120 | 162 | 8 | 174 | 226 | 10 | 48 | 84 | 4 | 56 | 28 | 2 |
| 2.1.1 | Pedagogy and Psychology of High School | | 4 | 84 | 56 | 28 | | | | | | | | | | 56 | 28 | 2 |
| 2.1.2 | Fundamentals of Cell Biology | 1 | | 204 | 80 | 124 | 80 | 124 | 5 | | | | | | | | | |
| 2.1.3 | Applied Biology and Biotechnology | 2 | 1 | 286 | 122 | 164 | 40 | 38 | 3 | 82 | 126 | 5 | | | | | | |
| 2.1.4 | Developmental Biology and Neurobiology | | 2 | 192 | 92 | 100 | | | | 92 | 100 | 5 | | | | | | |
| 2.1.5 | Applied Ecology | 3 | | 132 | 48 | 84 | | | | | | | 48 | 84 | 4 | | | |
| 2.2 | <i>Higher educational institution component**</i> | 1,1,2,2,3 | | 860 | 314 | 546 | 168 | 288 | 12 | 98 | 174 | 8 | 48 | 84 | 4 | | | |
| 2.2.1 | Special courses | 1,2,3 | | 396 | 144 | 252 | 48 | 84 | 4 | 48 | 84 | 4 | 48 | 84 | 4 | | | |
| 2.2.2 | Special Practical Work | 1 | | 162 | 60 | 102 | 60 | 102 | 4 | | | | | | | | | |
| | <i>Optional disciplines</i> | | | | | | | | | | | | | | | | | |
| 2.2.3 | Russian as a foreign language/ Practice of translation | 1,2 | | 302 | 110 | 192 | 60 | 102 | 4 | 50 | 90 | 4 | | | | | | |
| 3. | Research *** | | 1,2,3 | 1470 | | 1470 | | 396 | 10 | | 408 | 11 | | 432 | 12 | | 234 | 7 |
| 4. | Internship | | 4 | 216 | | 216 | | | | | | | | | | | 216 | 6 |
| 5. | Final attestation **** | | | 216 | | 216 | | | | | | | | | | | 216 | 6 |
| | Total | | | 4428 | 1028 | 3400 | 288 | 846 | 30 | 272 | 808 | 29 | 300 | 818 | 23 | 168 | 928 | 38 |

* The educational institutions have the right to convert up to 90 % of the planned in curriculum study hours into supervised self-study hours of a master (except the series disciplines for candidate exams and a preliminary).

** Recommended that optional disciplines in the curriculum should constitute up to 50 % from the total number of study hours of the higher educational institution component.

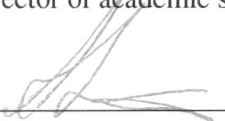
*** Research work load is approximately 1500 study hours, 22 hours of research per week is planned for the 1st semester, 24 hours – for the 2nd semester, 24 hours – for the 3^d semester, 26 hours – for the 4th semester. Research work load includes research for thesis, participation in scientific conferences, workshops etc.

**** Intermediate supervision of a master's individual plan is to be performed not less than twice a semester.

***** Recommended that not less than 50 % of self-study hours should be planned in the curriculum while planning academic studies.

AGREED

Prorector of academic studies


_____ A. Tolstik

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Executive director
of educational, scientific and methodological
department


_____ L. Huhlyndina

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Dean of Biological Faculty


_____ V. Lysak

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