

OPTIONAL COURSES

| <i>Subject</i> | <i>Lectures</i> | <i>Practical classes</i> | <i>Credits</i> |
|--|-----------------|--------------------------|----------------|
| Management of the Biology cognitive activities | 15 | 30 | 4 |
| Experimental approach in Biology education | 15 | 30 | 4 |
| Research activities in Biology education method development | 15 | 30 | 4 |
| Methods in development and management of projects in the sphere of Biology education | 15 | 30 | 4 |
| Planning and organization of the educational process in Biology | 0 | 45 | 4 |
| Ecological education | 15 | 30 | 4 |

* Students are to combine the optional and facultative subjects in such manner that the sum of credits for each semester should amount to 30. One subject is chosen for the first semester and two subjects – for the second one.



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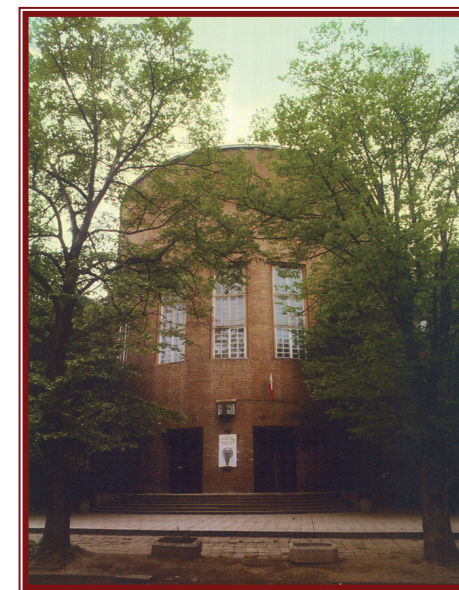
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**Sofia University
St. Kliment Ohridski
Faculty of Biology**

**BIOLOGY EDUCATION
METHODICAL SECTOR**



**MASTERS DEGREE PROGRAM
BIOLOGY TEACHING IN ENGLISH**

The present qualification characteristics defines the professional function of the specialist holding the Masters Degree with the qualification title **Master of Biology – teaching in English** as well as the qualification requirements.

Students who have graduated the **Master of Biology – teaching in English** Degree must acquire specialized training in two main directions: English Language and education in Biology, based on a broad spectrum preparation in Biology, teaching Methodology, Psychology, Pedagogics and Didactics already gained in the bachelors Degree Education.

The model of the Masters Degree Program includes the following skills:

- to interpret and apply a category apparatus to the Biology Education process methodology during its planning, organization and management. Another skill is to monitor and evaluate the results in the secondary school educational process.
- to be able to coordinate the requirements of the legislative documentation for Biology secondary school teaching and the theoretical demands for its effective management;
- to transfer, coordinate and interpret the biological scientific knowledge when analyzing and modeling the biology teaching programs for the secondary schools;
- to analyze the legislative and educational documentation, the informative and scientific publications, basing on the requirements of English teaching;
- to plan, organize and conduct scientifically based educational process aiming at the assimilation of the school knowledge in English;

- to work out (or participate) in educationally grounded projects;

- to work out effective strategies of conducting the educational process, leading to the formation of language skills in the pupils, corresponding to the official educational requirements;

- to develop programs and supervise the work of the pupils at school as well as at different out-of-class activities.

The qualification of the Masters Degree Program graduates allows them to conduct specialized methodology activities (obligatory and out-of-class) in English in the different types of secondary schools.

There are one multimedia center, a library and specialized laboratories facilitating the work of the Program.



PROGRAM

OBLIGATORY COURSES

| <i>Subject</i> | <i>Lectures</i> | <i>Practical classes</i> | <i>Credits</i> |
|---|-----------------|--------------------------|----------------|
| General English course B2 level | - | 105 | 7 |
| General English course C1 level | - | 120 | 9 |
| Innovative technologies in Biology teaching methods | 45 | 45 | 7 |
| Interdisciplinary relations in Biology education | 30 | 15 | 3 |
| Lexical and syntactical specificity of specialized texts | 45 | 30 | 6 |
| Introduction of specialized terminology in Biology sphere | 0 | 75 | 6 |
| Basic oral and written communication knowledge | 0 | 75 | 5 |
| Translation of specialized texts | 0 | 75 | 5 |
| Basic elective and out-of-class training | 15 | 15 | 2 |
| Management of the quality of secondary school Biology education | 15 | 15 | 2 |
| Supervision of the results of the educational and cognitive activities in Biology classes | 15 | 15 | 2 |
| Pedagogical design and computer technologies in Biology education | 15 | 15 | 2 |
| Pre-diploma practicum | 0 | 150 | 7 |
| Defending of the diploma thesis | | | 15 |