



THE SUBJECT AND OBJECTS OF THE METHODOLOGY OF BIOLOGY TRAINING

Kabelka Ivan Vladimirovich,
associate professor, Therapeutic
Pedadogics Department

Lecture outline

1. Objects of the methodology of Biology training
2. Structure of the methodology of Biology training
3. Scientific research methods
4. Connection of the methodology of Biology training with other disciplines

1. Objects of the methodology of Biology training

- The place of Biology in the system of training, upbringing and developing students
- Creating programs and learning and teaching support kits
- Defining the subject contents and the sequence of the studies
- Developing methods and ways, means and forms of organizing the training
- Working on the material assets of the learning process

2. Structure of the methodology of Biology training

- Subdivision of methodology into general and specific
- *General* methodology study of the most important issues of Biology
- *Specific* methodology study of particular issues for certain spheres of Biology
- Close connection of general methodology with particular courses
- Methodology of Biology training is an integrated discipline combining the general and the specific areas

3. Scientific research methods

Empirical methods

- Observation
- Studying school documents
- Studying the students' activities outcomes
- Talking
- Interviewing
- Questionnaires
- Studying and generalizing the work experience
- Pedagogical experiment

Theoretical methods

- Systematic structural approach
- Structural logical analysis
- Historical analysis
- Comparative analysis
- Mathematical method
- Statistical method

The connection of the research methods is a theoretical basis for developing Biology training of students with intellectual disabilities.

4. Connection of the methodology of Biology training with other disciplines

- Biology
- General ecology
- Applied ecology
- Agronomics
- Medicine
- Hygiene
- Special needs education (oligophrenopedagogics)
- Special psychology

Bibliography

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