

4.1. Title: **data analysis** (systems analysis).

4.2. Annotation of educational discipline: educational discipline includes in itself the mastery of the basic mathematical methods and tools of problem solving on analysis and processing of data, regardless of their nature, as well as mastering the skills to use them.

4.3. Type: normative course

4.4. Term of study: 7th semester.

4.5. Number of credits: 3 credits.

4.6. Name of lecturer: Associate Professor Alexander S. Slabospitsky

4.7. The purpose of the educational discipline: mastery of modern methods and tools of analysis and processing of data, theoretical considerations and basic applications of data analysis in different fields, preparing to use them in next courses, promoting the development of logical and analytical thinking of students.

4.8. Previous requirements: normative courses of mathematical analysis, linear algebra, probability theory and mathematical statistics.

4.9. Teaching methods: classes are held in the form of lectures and practical classes.

5.0. Rating methods: estimated by the module-ratings system. The results of learning activities students are evaluated on a 100-point scale and finish with test.

5.1. Language of teaching: Ukrainian.

4.1. Title: **data analysis** (applied mathematics).

4.2. Annotation of educational discipline: educational discipline includes in itself the mastery of the basic mathematical methods and tools of problem solving on analysis and processing of data, regardless of their nature, as well as mastering the skills to use them.

4.3. Type: normative course

4.4. Term of study: 6th semester.

4.5. Number of credits: 3 credits.

4.6. Name of lecturer: Associate Professor Alexander S. Slabospitsky

4.7. The purpose of the educational discipline: mastery of modern methods and tools of analysis and processing of data, theoretical considerations and basic applications of data analysis in different fields, preparing to use them in next courses, promoting the development of logical and analytical thinking of students.

4.8. Previous requirements: normative courses of mathematical analysis, linear algebra, probability theory and mathematical statistics.

4.9. Teaching methods: classes are held in the form of lectures and practical classes.

5.0. Rating methods: estimated by the module-ratings system. The results of learning activities students are evaluated on a 100-point scale and finish with test.

5.1. Language of teaching: Ukrainian.

4.1. Title: **data analysis** (computer science).

4.2. Annotation of educational discipline: educational discipline includes in itself the mastery of the basic mathematical methods and tools of problem solving on analysis and processing of data, regardless of their nature, as well as mastering the skills to use them.

4.3. Type: normative course

4.4. Term of study: 6th semester.

4.5. Number of credits: 3 credits.

4.6. Name of lecturer: Associate Professor Alexander S. Slabospitsky

4.7. The purpose of the educational discipline: mastery of modern methods and tools of analysis and processing of data, theoretical considerations and basic applications of data analysis in different fields, preparing to use them in next courses, promoting the development of logical and analytical thinking of students.

4.8. Previous requirements: normative courses of mathematical analysis, linear algebra, probability theory and mathematical statistics.

4.9. Teaching methods: classes are held in the form of lectures and practical classes.

5.0. Rating methods: estimated by the module-ratings system. The results of learning activities students are evaluated on a 100-point scale and finish with test.

5.1. Language of teaching: Ukrainian.

4.1. Title: **data analysis** (software engineering).

4.2. Annotation of educational discipline: educational discipline includes in itself the mastery of the basic mathematical methods and tools of problem solving on analysis and processing of data, regardless of their nature, as well as mastering the skills to use them.

4.3. Type: normative course

4.4. Term of study: 4th semester.

4.5. Number of credits: 3 credits.

4.6. Name of lecturer: Associate Professor Alexander S. Slabospitsky

4.7. The purpose of the educational discipline: mastery of modern methods and tools of analysis and processing of data, theoretical considerations and basic applications of data analysis in different fields, preparing to use them in next courses, promoting the development of logical and analytical thinking of students.

4.8. Previous requirements: normative courses of mathematical analysis, linear algebra, probability theory and mathematical statistics.

4.9. Teaching methods: classes are held in the form of lectures and practical classes.

5.0. Rating methods: estimated by the module-ratings system. The results of learning activities students are evaluated on a 100-point scale and finish with test.

5.1. Language of teaching: Ukrainian.

4.1. Title: **data analysis** (computer science (teaching by correspondence)).

4.2. Annotation of educational discipline: educational discipline includes in itself the mastery of the basic mathematical methods and tools of problem solving on analysis and processing of data, regardless of their nature, as well as mastering the skills to use them.

4.3. Type: normative course

4.4. Term of study: 10th semester.

4.5. Number of credits: 2.5 credits.

4.6. Name of lecturer: Associate Professor Alexander S. Slabospitsky

4.7. The purpose of the educational discipline: mastery of modern methods and tools of analysis and processing of data, theoretical considerations and basic applications of data analysis in different fields, preparing to use them in next courses, promoting the development of logical and analytical thinking of students.

4.8. Previous requirements: normative courses of mathematical analysis, linear algebra, probability theory and mathematical statistics.

4.9. Teaching methods: classes are held in the form of lectures and practical classes.

5.0. Rating methods: estimated by the module-ratings system. The results of learning activities students are evaluated on a 100-point scale and finish with test.

5.1. Language of teaching: Ukrainian.