

| Applied Mathematics and Informatics | | | | | | | | | | | | | | | | |
|-------------------------------------|---|-------------|-----------|---------|-------------------------------------|----------------|------------------|------------|----------|-------|--------------------|--------------|---------------|---------------|----------------|----------------------------|
| N | Course Name | Course Code | Course ID | Lang. | Prerequisites | Course credits | Classes per week | Occupation | Weekday | Time | Instructor | # of section | # of students | # of AU seats | Type of course | Required for admits (year) |
| 1 | Introduction to contemporary mathematic | MAT 130.1 | 4956 | Russian | | 6 | 2 | Seminar | Tuesday | 12:45 | Enver Atamanov | 1 | 18 | | Gened | |
| | | | | | | | | Seminar | Thursday | 12:45 | | | | | | |
| 2 | Mathematics for life (eng) | MAT 135 | 3344 | English | | 6 | 2 | Seminar | Tuesday | 9:25 | Elmira Musuralieva | 1 | 18 | | Gened | |
| | | | | | | | | Seminar | Thursday | 9:25 | | | | | | |
| | | | | | | | | Seminar | Tuesday | 10:50 | | 2 | 18 | | E | |
| | | | | | | | | Seminar | Thursday | 10:50 | | | | | | |
| | | | | | | | | Seminar | Tuesday | 12:45 | | 3 | 18 | | E | |
| | | | | | | | | Seminar | Thursday | 12:45 | | | | | | |
| 3 | An introduction to probability and statistics | MAT 134 | 3345 | Russian | | 6 | 2 | Seminar | Tuesday | 9:25 | Enver Atamanov | 1 | 18 | | Gened | |
| | | | | | | | | Seminar | Thursday | 9:25 | | | | | | |
| | | | | | | | | Seminar | Tuesday | 10:50 | Enver Atamanov | 2 | 18 | | E | |
| | | | | | | | | Seminar | Thursday | 10:50 | | | | | | |
| 4 | Mathematical Analysis I for Economics | MAT 233.1 | 3861 | English | MAT-131.1/ MAT-131.2/ MAT-132 | 6 | 2 | Seminar | Tuesday | 10:50 | Zarina Shapakova | 1 | 18 | | R | 2024 |
| | | | | | | | | Seminar | Thursday | 10:50 | | | | | | |
| 5 | Mathematics for business and economics II | MAT 234 | 3075 | English | MAT-131.1/ MAT-131.2/ MAT-132 | 6 | 2 | Seminar | Tuesday | 9:25 | Elmira Kerimkulova | 1 | 18 | | R | 2024 |
| | | | | | | | | Seminar | Thursday | 9:25 | | | | | | |

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|---|--|-----------|------|---------|-------------------------------------|---|---|---------|----------|-------|--------------------|---|----|--|---|------|
| | | | | | | | | Seminar | Tuesday | 10:50 | Elmira Kerimkulova | 2 | 18 | | R | 2024 |
| | | | | | | | | Seminar | Thursday | 10:50 | | | | | | |
| | | | | | | | | Seminar | Tuesday | 12:45 | Elmira Kerimkulova | 3 | 18 | | R | 2024 |
| | | | | | | | | Seminar | Thursday | 12:45 | | | | | | |
| | | | | | | | | Seminar | Tuesday | 10:50 | Syrgak Kydyraliev | 4 | 18 | | R | 2024 |
| | | | | | | | | Seminar | Thursday | 10:50 | | | | | | |
| | | | | | | | | Seminar | Tuesday | 10:50 | Olga Zabinyakova | 5 | 18 | | R | 2024 |
| | | | | | | | | Seminar | Thursday | 10:50 | | | | | | |
| 6 | Mathematical Analysis I for AMI/SFW | MAT 233.2 | 3855 | English | MAT-131.1/ MAT-131.2/ MAT-132 | 6 | 2 | Seminar | Tuesday | 9:25 | Zarina Shapakova | 1 | 18 | | R | 2024 |
| | | | | | | | | Seminar | Thursday | 9:25 | | | | | | |
| | | | | | | | | Seminar | Tuesday | 12:45 | Zarina Shapakova | 2 | 18 | | R | |
| | | | | | | | | Seminar | Thursday | 12:45 | | | | | | |
| | | | | | | | | Seminar | Tuesday | 10:50 | Elena Burova | 3 | 18 | | R | |
| | | | | | | | | Seminar | Thursday | 10:50 | | | | | | |
| | | | | | | | | Seminar | Tuesday | 10:50 | Polina Dolmatova | 4 | 18 | | R | |
| | | | | | | | | Seminar | Thursday | 10:50 | | | | | | |
| 7 | Discrete Mathematics and Mathematical Logic II | COM 228 | 3130 | English | | 6 | 2 | Seminar | Tuesday | 8:00 | Lyubov Altynnikova | 1 | 18 | | R | 2024 |
| | | | | | | | | Seminar | Thursday | 8:00 | | | | | | |
| | | | | | | | | Seminar | Tuesday | 9:25 | Lyubov Altynnikova | 2 | 18 | | R | 2024 |
| | | | | | | | | Seminar | Thursday | 9:25 | | | | | | |

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| 8 | Discrete Mathematics (for SFW-2022/2023/2024) | MAT 240 | 5676 | | | 6 | 2 | Seminar | Tuesday | 10:50 | Lyubov Altynnikova | 1 | 18 | | R | 2022/2023/2024 |
| | | | | | | | | Seminar | Thursday | 10:50 | | | | | | |
| 9 | The Theory of Probabilities and Math. Statistics | MAT 307 | 3215 | English | MAT-103/MAT-131/MAT-131.1/MAT-131.2/MAT-132 | 6 | 2 | Seminar | Tuesday | 8:00 | Bakyt Urmambetov | 1 | 18 | | R | 2023 |
| | | | | | | | | Seminar | Thursday | 8:00 | | | | | | |
| | | | | English | | | | Seminar | Tuesday | 10:50 | Bakyt Urmambetov | 2 | 18 | | R | 2023 |
| | | | | | | | | Seminar | Thursday | 10:50 | | | | | | |
| | | | | English | | | | Seminar | Tuesday | 12:45 | Syrgak Kydyraliev | 3 | 18 | | R | 2023 |
| | | | | | | | | Seminar | Thursday | 12:45 | | | | | | |
| | | | | English | | | | Seminar | Tuesday | 9:25 | Elena Burova | 4 | 18 | | R | 2023 |
| | | | | | | | | Seminar | Thursday | 9:25 | | | | | | |
| | | | | English | | | | Seminar | Tuesday | 12:45 | Elena Burova | 5 | 18 | | R | 2023 |
| | | | | | | | | Seminar | Thursday | 12:45 | | | | | | |
| | | | | English | | | | Seminar | Tuesday | 9:25 | Polina Dolmatova | 6 | 18 | | R | 2023 |
| | | | | | | | | Seminar | Thursday | 9:25 | | | | | | |
| 10 | Statistics for Business | MAT 308 | 5664 | English | MAT-131.1/MAT-131.2/MAT-132 | 6 | 2 | Lecture | Tuesday | 14:10 | Syrgak Kydyraliev | 1 | 18 | | R | 2023 |

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|----|---|-----------|------|---------|--|---|---|----------|----------|-------|---------------------|---|----|--|---|------|
| | | | | | | | | Practice | Thursday | 14:10 | | | | | | |
| 11 | Numerical Methods | MAT 407 | 3214 | English | MAT-233.2, COM-118/122 | 6 | 2 | Lecture | Tuesday | 10:50 | Sergei Sklyar | 1 | 15 | | R | 2023 |
| | | | | | | | | Practice | Thursday | 10:50 | | | | | | |
| 12 | Equations of Mathematical Physics | MAT 360 | 3725 | English | MAT - 332 | 6 | 2 | Seminar | Tuesday | 12:45 | Taalaibek Imanaliev | 1 | 15 | | E | |
| | | | | | | | | Seminar | Thursday | 12:45 | | | | | | |
| 13 | Research Methods in Applied Mathematics | MAT 370 | 3864 | English | MAT-316.2 | 6 | 2 | Seminar | Tuesday | 10:50 | Taalaibek Imanaliev | 1 | 15 | | E | |
| | | | | | | | | Seminar | Tuesday | 10:50 | | | | | | |
| 14 | Computer Architecture | COM 410.1 | 3268 | English | COM-223.1 | 6 | 2 | Lecture | Thursday | 14:10 | Melis Osmonov | 1 | 18 | | E | |
| | | | | | | | | Practice | Thursday | 15:35 | | | | | | |
| 15 | Programming R: Software for Statistical Computing, ID | COM 211 | 3863 | English | ENV/NTR-205/M AT-129.1/MAT-133/M AT-134/M AT-135/M | 6 | 2 | Lecture | Tuesday | 14:10 | Elena Burova | 1 | 18 | | E | |
| | | | | | | | | Practice | Thursday | 14:10 | | | | | | |

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| 16 | Actuarial Mathematics. Level 1 | BUS/MAT 367 | 3964 | English | MAT-132/MAT-307 | 6 | 2 | Seminar | Tuesday | 14:10 | Taalaibek Imanaliev | 1 | 18 | | E | |
| | | | | | | | | Seminar | Tuesday | 15:35 | | | | | | |
| 17 | Senior Project Preparation II | MAT 481 | 3967 | English | MAT-480 | 3 | 1 | Seminar | Thursday | 14:10 | Sergei Sklyar | 1 | 15 | | R | 2021 |
| 18 | Game Theory | MAT/ECO 317 | 3453 | English | MAT-132/MAT-233/MAT-233.1/MAT-233.2 | 6 | 2 | Seminar | Tuesday | 9:25 | Bakyt Urmambetov | 1 | 15 | | E | |
| | | | | | | | | Seminar | Thursday | 9:25 | | | | | | |
| 19 | Mathematical Modeling in Geophysics | MAT 420 | 4118 | English | MAT-410 | 6 | 2 | Lecture | Tuesday | 12:45 | Sergei Sklyar | 1 | 15 | | E | |
| | | | | | | | | Practice | Thursday | 12:45 | | | | | | |
| 20 | Dynamic Models for Economics and Business | MAT 533 | 3484 | | MAT-233/MAT-234/MAT-233.1/MAT-233.2 | 6 | 2 | Seminar | Tuesday | 9:25 | Syrgak Kydyraliev | 1 | 15 | | E | 2021 |
| | | | | | | | | Seminar | Thursday | 9:25 | | | | | | |
| 21 | Linear Algebra and Analytic Geometry (for Economics) | MAT 131.1 | 3827 | English | | 6 | 2 | Seminar | Tuesday | 12:45 | TBD | 1 | 6 | | | |
| | | | | | | | | Seminar | Thursday | 12:45 | TBD | | | | | |

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|----|--|-------------|------|---------|---------------------------|---|---|----------|-----------|-------|------------------|---|----|--|--|---|
| 22 | Mathematics for business and economics I | MAT 132 | 2924 | English | | 6 | 2 | Seminar | Tuesday | 12:45 | TBD | 1 | 6 | | | |
| | | | | | | | | Seminar | Thursday | 12:45 | TBD | | | | | |
| 23 | Linear Algebra and Analytic Geometry for AMI/SFW | MAT 131.2 | 3828 | English | | 6 | 2 | Seminar | Tuesday | 12:45 | TBD | 1 | 6 | | | |
| | | | | | | | | Seminar | Thursday | 12:45 | TBD | | | | | |
| 24 | Data Science | COM/MAT 295 | 4520 | English | COM-117/COM-119/MAT-233.2 | 6 | 2 | Lecture | Friday | 9:25 | Polina Dolmatova | 1 | 18 | | | E |
| | | | | | | | | Practice | Friday | 10:50 | | | | | | |
| 25 | Storytelling with Statistics | MAT/HUM 200 | 4659 | English | | 6 | 2 | Seminar | Wednesday | 15:35 | Polina Dolmatova | 1 | 18 | | | E |
| | OSUN | | | | | | | Seminar | Friday | 15:35 | | | | | | |