

Spring 2021

Program: Applied Mathematics and Informatics

| N | Course Name  | Code        | ID   | Lang | Prer | Cr | Classes per week | Lec/Sem | Day       | Time  | N of sec | N of students | Room | Instructor                     | Co-teaching credits | Req/elec | Req for admits (year) |
|---|--|-------------|------|------|------|----|------------------|---------|-----------|-------|----------|---------------|------|--------------------------------|---------------------|----------|-----------------------|
|   | Introduction to contemporary mathematics             | MAT 130.1   | 4956 | rus  | -    | 6  | 2                | Lecture | Tuesday   | 12:45 | 1        | 20            |      | Enver Atamanov, Professor      |                     | Gened    | 2020-2017             |
|   |  |             |      |      |      |    |                  | Seminar | Thursday  | 12:45 |          |               |      |                                |                     |          |                       |
|   | An introduction to probability and statistics        | MAT 134     | 3345 | rus  | -    | 6  | 2                | Lecture | Tuesday   | 9:25  | 1        | 20            |      | Enver Atamanov, Professor      |                     | Gened    | 2020-2017             |
|   |  |             |      |      |      |    |                  | Seminar | Thursday  | 9:25  |          |               |      |                                |                     |          |                       |
|   | An introduction to probability and statistics        | MAT 134     | 3345 | rus  | -    | 6  | 2                | Lecture | Tuesday   | 10:50 | 2        | 20            |      | Enver Atamanov, Professor      |                     | Gened    | 2020-2017             |
|   |  |             |      |      |      |    |                  | Seminar | Thursday  | 10:50 |          |               |      |                                |                     |          |                       |
|   | Mathematics for life (eng)                           | MAT 135     | 3344 | eng  | -    | 6  | 2                | Lecture | Tuesday   | 10:50 | 1        | 20            |      | Elmira Musuralieva, Professor  |                     | Gened    | 2020-2017             |
|   |  |             |      |      |      |    |                  | Seminar | Thursday  | 10:50 |          |               |      |                                |                     |          |                       |
|   | Mathematics for life (eng)                           | MAT 135     | 3344 | eng  | -    | 6  | 2                | Lecture | Tuesday   | 12:45 | 2        | 20            |      | Elmira Musuralieva, Professor  |                     | Gened    | 2020-2017             |
|   |  |             |      |      |      |    |                  | Seminar | Thursday  | 12:45 |          |               |      |                                |                     |          |                       |
|   | An introduction to probability and statistics        | MAT 133     | 3346 | eng  | -    | 6  | 2                | Lecture | Monday    | 10:50 | 1        | 20            |      | Elmira Musuralieva, Professor  |                     | Gened    | 2020-2017             |
|   |  |             |      |      |      |    |                  | Seminar | Wednesday | 10:50 |          |               |      |                                |                     |          |                       |
|   | Reason and Argue Better: Logic in Proof and Argument | MAT/HUM 145 | 4815 | Eng  | -    | 6  | 2                | Lecture | Monday    | 15:35 | 1        | 20            |      | Iain Webb, Assistant Professor |                     | Gened    | 2020-2017             |
|   |  |             |      |      |      |    |                  | Seminar | Friday    | 15:35 |          |               |      |                                |                     |          |                       |

|  |             |      |     |                 |   |   |         |          |       |   |    |   |       |           |
|--|-------------|------|-----|-----------------|---|---|---------|----------|-------|---|----|---|-------|-----------|
| R Programming for the Humanities                   | MAT/HUM 204 | 5317 | Eng | -               | 6 | 2 | Lecture | Monday   | 12:45 | 1 | 20 | Iain Webb, Assistant Professor          | Gened | 2020-2017 |
|  |             |      |     |                 |   |   | Seminar | Friday   | 12:45 |   |    |   |       |           |
| Mathematical Analysis I for Economics              | MAT 233.1   | 3861 | eng | 131.1 / 132     | 6 | 2 | Lecture | Tuesday  | 9:25  | 1 | 20 | Elena Burova, Assistant Professor       | Gened | 2020      |
|  |             |      |     |                 |   |   | Seminar | Thursday | 9:25  |   |    |   |       |           |
| Mathematical Analysis I for Economics              | MAT 233.1   | 3861 | eng | MAT 131.1 / 132 | 6 | 2 | Lecture | Tuesday  | 9:25  | 2 | 20 | Elmira Kerimkulova, Assistant Professor | Gened | 2020      |
|  |             |      |     |                 |   |   | Seminar | Thursday | 9:25  |   |    |   |       |           |
| Linear Algebra and Analytic Geometry for Economics | MAT 131.1   | 3827 | eng | -               | 6 | 2 | Lecture | Tuesday  | 8:00  | 1 | 7  | Olga Zabinyakova, Instructor            | Gened | 2020      |
|  |             |      |     |                 |   |   | Seminar | Thursday | 8:00  |   |    |   |       |           |
| Linear Algebra and Analytic Geometry for AMI/SFW   | MAT 131.2   | 3828 | eng | -               | 6 | 2 | Lecture | Tuesday  | 8:00  | 1 | 7  | Olga Zabinyakova, Instructor            | Gened | 2020      |
|  |             |      |     |                 |   |   | Seminar | Thursday | 8:00  |   |    |   |       |           |
| Mathematics for business and economics I           | MAT 132     | 2924 | eng | -               | 6 | 2 | Lecture | Tuesday  | 8:00  | 1 | 7  | Olga Zabinyakova, Instructor            | Gened | 2020      |
|  |             |      |     |                 |   |   | Seminar | Thursday | 8:00  |   |    |   |       |           |
| Mathematics for business and economics II          | MAT 234     | 3075 | eng | MAT 132/131.1   | 6 | 2 | Lecture | Tuesday  | 10:50 | 1 | 20 | Syrgak Kydyraliev, Professor            | Gened | 2020      |
|  |             |      |     |                 |   |   | Seminar | Thursday | 10:50 |   |    |   |       |           |
| Mathematics for business and economics II          | MAT 234     | 3075 | eng | MAT 132/131.1   | 6 | 2 | Lecture | Tuesday  | 8:00  | 2 | 20 | Elmira Kerimkulova, Assistant Professor | Gened | 2020      |
|  |             |      |     |                 |   |   | Seminar | Thursday | 8:00  |   |    |   |       |           |

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|---|-----------|------|-----|----------------|---|---|---------|-----------|-------|---|----|---|-------|-----------|
| Mathematics for business and economics II | MAT 234   | 3075 | eng | MAT 132/1 31.1 | 6 | 2 | Lecture | Tuesday   | 10:50 | 3 | 20 | Elmira Kerimkulova, Assistant Professor | Gened | 2020      |
|   |           |      |     |                |   |   | Seminar | Thursday  | 10:50 |   |    |   |       |           |
| Mathematics for business and economics II | MAT 234   | 3075 | eng | MAT 132/1 31.1 | 6 | 2 | Lecture | Tuesday   | 12:45 | 4 | 20 | Zarina Shapakova, Assistant Professor   | Gened | 2020      |
|   |           |      |     |                |   |   | Seminar | Thursday  | 12:45 |   |    |   |       |           |
| Mathematics for business and economics II | MAT 234   | 3075 | eng | MAT 132/1 31.1 | 6 | 2 | Lecture | Tuesday   | 10:50 | 5 | 20 | Olga Zabinyakova, Instructor            | Gened | 2020      |
|   |           |      |     |                |   |   | Seminar | Thursday  | 10:50 |   |    |   |       |           |
| Mathematical Analysis I for AMI/SFW       | MAT 233.2 | 3855 | eng | MAT 131.2      | 6 | 2 | Lecture | Tuesday   | 8:00  | 1 | 20 | Bakyt Urmambetov, Professor             | Gened | 2019-2020 |
|   |           |      |     |                |   |   | Seminar | Thursday  | 8:00  |   |    |   |       |           |
| Mathematical Analysis I for AMI/SFW       | MAT 233.2 | 3855 | eng | MAT 131.2      | 6 | 2 | Lecture | Tuesday   | 12:45 | 2 | 20 | Elena Burova, Assistant Professor       | Gened | 2019-2020 |
|   |           |      |     |                |   |   | Seminar | Thursday  | 12:45 |   |    |   |       |           |
| Mathematical Analysis I for AMI/SFW       | MAT 233.2 | 3855 | eng | MAT 131.2      | 6 | 2 | Lecture | Monday    | 9:25  | 3 | 20 | Zarina Shapakova, Assistant Professor   | Gened | 2019-2020 |
|   |           |      |     |                |   |   | Seminar | Wednesday | 9:25  |   |    |   |       |           |
| Mathematical Analysis I for AMI/SFW       | MAT 233.2 | 3855 | eng | MAT 131.2      | 6 | 2 | Lecture | Monday    | 10:50 | 4 | 20 | Zarina Shapakova, Assistant Professor   | Gened | 2019-2020 |
|   |           |      |     |                |   |   | Seminar | Wednesday | 10:50 |   |    |   |       |           |
| Mathematical Analysis I for AMI/SFW       | MAT 233.2 | 3855 | eng | MAT 131.2      | 6 | 2 | Lecture | Tuesday   | 9:25  | 5 | 20 | Olga Zabinyakova, Instructor            | Gened | 2019-2020 |
|   |           |      |     |                |   |   | Seminar | Thursday  | 9:25  |   |    |   |       |           |

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|---|-----------|------|-----|----------------------|---|---|---------|-----------|-------|---|----|--|-------|-----------|
| Mathematical Analysis I for AMI/SFW             | MAT 233.2 | 3855 | eng | MAT 131.2            | 6 | 2 | Lecture | Tuesday   | 14:10 | 6 | 20 | Polina Dolmatova, Associate Professor  | Gened | 2019-2020 |
|   |           |      |     |                      |   |   | Seminar | Thursday  | 14:10 |   |    |  |       |           |
| Discrete Mathematics and Mathematical Logic II  | COM 228   | 3130 | eng | -                    | 6 | 2 | Lecture | Tuesday   | 8:00  | 1 | 20 | Lubov Altynnikova, Associate Professor | R     | 2019-2020 |
|   |           |      |     |                      |   |   | Seminar | Thursday  | 8:00  |   |    |  |       |           |
| Discrete Mathematics and Mathematical Logic II  | COM 228   | 3130 | eng | -                    | 6 | 2 | Lecture | Tuesday   | 9:25  | 2 | 20 | Lubov Altynnikova, Associate Professor | R     | 2019-2020 |
|   |           |      |     |                      |   |   | Seminar | Thursday  | 9:25  |   |    |  |       |           |
| Discrete Mathematics and Mathematical Logic II  | COM 228   | 3130 | eng | -                    | 6 | 2 | Lecture | Tuesday   | 10:50 | 3 | 20 | Lubov Altynnikova, Associate Professor | R     | 2019-2020 |
|   |           |      |     |                      |   |   | Seminar | Thursday  | 10:50 |   |    |  |       |           |
| Physics. Computer Modeling                      | COM 202.1 | 4243 | eng | MAT 131.2            | 6 | 2 | Lecture | Monday    | 12:45 | 1 | 20 | Uzak Imanaliev, Professor              | R     | 2020      |
|   |           |      |     |                      |   |   | Seminar | Wednesday | 12:45 |   |    |  |       |           |
| The Theory Of Probabilities And Math. Statistic | MAT 307   | 3215 | eng | 131.1 / 131.2 /      | 6 | 2 | Lecture | Tuesday   | 9:25  | 1 | 20 | Bakyt Urmambetov, Professor            | R     | 2019      |
|   |           |      |     |                      |   |   | Seminar | Thursday  | 9:25  |   |    |  |       |           |
| The Theory Of Probabilities And Math. Statistic | MAT 307   | 3215 | eng | MAT 131.1 /131.2/132 | 6 | 2 | Lecture | Tuesday   | 10:50 | 2 | 20 | Bakyt Urmambetov, Professor            | R     | 2019      |
|   |           |      |     |                      |   |   | Seminar | Thursday  | 10:50 |   |    |  |       |           |

|   |         |      |     |                                 |   |   |         |          |       |   |    |                                       |                              |      |      |
|---|---------|------|-----|---------------------------------|---|---|---------|----------|-------|---|----|---------------------------------------|------------------------------|------|------|
| The Theory Of Probabilities And Math. Statistic | MAT 307 | 3215 | eng | MAT 131.1 /131.2/132            | 6 | 2 | Lecture | Tuesday  | 12:45 | 3 | 20 | Syrgak Kydyraliev, Professor          | R                            | 2019 |      |
|   |         |      |     |                                 |   |   | Seminar | Thursday | 12:45 |   |    |                                       |                              |      |      |
| The Theory Of Probabilities And Math. Statistic | MAT 307 | 3215 | eng | MAT 131.1 /131.2/132            | 6 | 2 | Lecture | Tuesday  | 12:45 | 4 | 20 | Polina Dolmatova, Associate Professor | R                            | 2019 |      |
|   |         |      |     |                                 |   |   | Seminar | Thursday | 12:45 |   |    |                                       |                              |      |      |
| Complex Variables (eng)                         | MAT 326 | 3699 | eng | MAT 233.2                       | 6 | 2 | Lecture | Tuesday  | 10:50 | 1 | 20 | Elena Burova, Assistant Professor     | R                            | 2019 |      |
|   |         |      |     |                                 |   |   | Seminar | Thursday | 10:50 |   |    |                                       |                              |      |      |
| Numerical Methods                               | MAT 407 | 3214 | eng | MAT 316.2 COM 117               | 6 | 2 | Lecture | Tuesday  | 12:45 | 1 | 15 | 233                                   | Sergey Sklyar, Professor     | R    | 2019 |
|   |         |      |     |                                 |   |   | Seminar | Thursday | 12:45 |   | 15 | 233                                   |                              |      |      |
| Numerical Methods                               | MAT 407 | 3214 | eng | MAT 316.2 COM 117               | 6 | 2 | Lecture | Tuesday  | 12:45 | 2 | 15 |                                       | Olga Zabinyakova, Instructor |      | lock |
|   |         |      |     |                                 |   |   | Seminar | Thursday | 12:45 |   | 15 |                                       |                              |      |      |
| Equations of Mathematical Physics               | MAT 360 | 3725 | eng | MAT 332                         | 6 | 2 | Lecture | Tuesday  | 10:50 | 1 | 20 | Taalaibek Imanaliev, Professor        | R                            | 2018 |      |
|   |         |      |     |                                 |   |   | Seminar | Thursday | 10:50 |   |    |                                       |                              |      |      |
| Research Methods in Applied Mathematics         | MAT 370 | 3864 | eng | MAT 131.1 /131.2/131, MAT 316.2 | 6 | 2 | Lecture | Tuesday  | 12:45 | 1 | 20 | Taalaibek Imanaliev, Professor        | R                            | 2018 |      |
|   |         |      |     |                                 |   |   | Seminar | Thursday | 12:45 |   |    |                                       |                              |      |      |

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|--|--------------------|------|-----|--------------------|---|---|---------|----------|-------|---|----|-----|--------------------------------------|--|---|-----------|
| Senior Project Preparation II          | MAT<br>481         | 3967 | eng | MAT<br>480         | 3 | 1 | Lecture | Thursday | 15:35 | 1 | 20 |     | Sergey Sklyar,<br>Professor          |  | R | 2017      |
| Mathematical Modeling in<br>Geophysics | MAT<br>420         | 4118 | eng | MAT<br>360,<br>407 | 6 | 2 | Lecture | Tuesday  | 10:50 | 1 | 20 | 433 | Sergey Sklyar,<br>Professor          |  | R | 2017      |
|  |                    |      |     |                    |   |   | Seminar | Thursday | 10:50 |   | 20 | 433 |                                      |  |   |           |
| Math Modelling in<br>Economics         | MAT<br>333         | 3701 | eng | MAT<br>233/<br>234 | 6 | 2 | Lecture | Tuesday  | 14:10 | 1 | 20 |     | Syrgak Kydyraliev,<br>Professor      |  | R | 2017      |
|  |                    |      |     |                    |   |   | Seminar | Thursday | 14:10 | 1 | 20 |     |                                      |  |   |           |
| Game Theory                            | MAT/<br>ECO<br>317 | 3453 | eng | MAT<br>233         | 6 | 2 | Lecture | Tuesday  | 12:45 | 1 | 20 |     | Bakyt Urmambetov,<br>Professor       |  | E | 2018-2017 |
|  |                    |      |     |                    |   |   | Seminar | Thursday | 12:45 |   |    |     |                                      |  |   |           |
| Actuarial Mathematics.<br>Level 2      | BUS/<br>MAT<br>368 | 4177 | Eng | BUS/<br>MAT<br>367 | 6 | 2 | Lecture | Tuesday  | 14:10 | 1 | 20 |     | Taalaibek<br>Imanaliev,<br>Professor |  | E | 2018-2017 |
|  |                    |      |     |                    |   |   | Seminar | Thursday | 14:10 |   |    |     |                                      |  |   |           |