

KARABÜK ÜNİVERSİTESİ
LİSANSÜSTÜ EĞİTİM ENSTİTÜSÜ

| DEPARTMENT OF MATHEMATICS | | | | | |
|-------------------------------------------------------------|-----------------------------------------------------------------------|---------------|-------------|------------|------------------------------------|
| Mathematics Master's Program with Thesis Course Pool | | | | | |
| COURSE CODE | COURSE NAME | CREDIT | ECTS | C/S | INSTRUCTOR |
| MAT705 | Advanced Complex Analysis I | 3-0-0 | 8 | S | Prof. Dr. Şerif AMİROV |
| MAT706 | Advanced Complex Analysis II | 3-0-0 | 8 | S | Prof. Dr. Şerif AMİROV |
| MAT707 | Sobolev Spaces I | 3-0-0 | 8 | S | Prof. Dr. Şerif AMİROV |
| MAT708 | Sobolev Spaces II | 3-0-0 | 8 | S | Prof. Dr. Şerif AMİROV |
| MAT709 | Algebra I | 3-0-0 | 8 | S | Prof. Dr. Ayşe NALLI |
| MAT710 | Algebra II | 3-0-0 | 8 | S | Prof. Dr. Ayşe NALLI |
| MAT713 | Integral Transformations | 3-0-0 | 8 | S | Assoc. Prof. Dr. Murat DÜZ |
| MAT714 | Method Of Differential Transformation | 3-0-0 | 8 | S | Assoc. Prof. Dr. Murat DÜZ |
| MAT715 | Fourier Transformations I | 3-0-0 | 8 | S | Assoc. Prof. Dr. Gümrah UYSAL |
| MAT716 | Fourier Transformations II | 3-0-0 | 8 | S | Assoc. Prof. Dr. Gümrah UYSAL |
| MAT717 | Special Topics from The Theory Of Differential Equation I | 3-0-0 | 8 | S | Prof. Dr. Şerif AMİROV |
| MAT718 | Special Topics from The Theory Of Differential Equation II | 3-0-0 | 8 | S | Prof. Dr. Şerif AMİROV |
| MAT722 | Number Theory II | 3-0-0 | 8 | S | Prof. Dr. Ayşe NALLI |
| MAT723 | Number Theory I | 3-0-0 | 8 | S | Prof. Dr. Ayşe NALLI |
| MAT724 | Mathematical Physics II | 3-0-0 | 8 | S | Asst. Prof. Dr.Ebru ERGÜN HÜSEYİN |
| MAT725 | Mathematical Physics I | 3-0-0 | 8 | S | Asst. Prof. Dr.Ebru ERGÜN HÜSEYİN |
| MAT728 | Analysis On Time Scale II | 3-0-0 | 8 | S | Asst. Prof. Dr.Adil HÜSEYİN |
| MAT729 | Analysis On Time Scale I | 3-0-0 | 8 | S | Asst. Prof. Dr.Adil HÜSEYİN |
| MAT731 | Modeling of Communication Networks and the Concept of Vulnerability I | 3-0-0 | 8 | S | Asst. Prof. Dr.Özlem ÖZTÜRK MIZRAK |

Bu belge, güvenli elektronik imza ile imzalanmıştır.

Belge Doğrulama Kodu: BSUN84SE6VBelge Doğrulama Adresi : <https://turkiye.gov.tr/ebd?ek=4043&eD=BSUN84SE6V&eS=299987>



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|--------|------------------------------------------------------------------------|-------|---|---|------------------------------------|
| MAT732 | Modeling of Communication Networks and the Concept of Vulnerability II | 3-0-0 | 8 | S | Asst. Prof. Dr.Özlem ÖZTÜRK MIZRAK |
| MAT733 | Concept of Distance in Graphs and Algorithms | 3-0-0 | 8 | S | Prof. Dr. Ayşe NALLI |
| MAT734 | External Problems in Graphs | 3-0-0 | 8 | S | Prof. Dr. Ayşe NALLI |
| MAT735 | MATLAB and Numerical Methods | 3-0-0 | 8 | S | Asst. Prof. Dr.Özlem ÖZTÜRK MIZRAK |
| MAT736 | Numerical Solutions of Ordinary Differential Equations | 3-0-0 | 8 | S | Asst. Prof. Dr.Özlem ÖZTÜRK MIZRAK |
| MAT737 | Algebraic Programming with MAGMA | 3-0-0 | 8 | S | Asst. Prof. Dr.Eda TEKİN |
| MAT738 | Basic Mathematics for Cryptography | 3-0-0 | 8 | S | Asst. Prof. Dr.Eda TEKİN |
| MAT739 | Tensor Bundles and Fibers I | 3-0-0 | 8 | S | Asst. Prof. Dr.Çiğdem İNCİ KUZU |
| MAT740 | Tensor Bundles and Fibers II | 3-0-0 | 8 | S | Asst. Prof. Dr.Çiğdem İNCİ KUZU |
| MAT741 | Approximation Theory and Linear Positive Operators | 3-0-0 | 8 | S | Assoc. Prof. Dr. Gümrah UYSAL |
| MAT742 | Convex Analysis | 3-0-0 | 8 | S | Asst. Prof. Dr.Emrah KARAMAN |
| MAT743 | Optimization Methods | 3-0-0 | 8 | S | Asst. Prof. Dr.Emrah KARAMAN |
| MAT746 | Structured Matrices | 3-0-0 | 8 | S | Dr. Öğr Üyesi Ahmet Zahid KÜÇÜK |
| MAT747 | Introduction to Interval Precious Analysis | 3-0-0 | 8 | S | Asst. Prof. Dr.Emrah KARAMAN |
| MAT748 | Range-Worthy Optimization | 3-0-0 | 8 | S | Asst. Prof. Dr.Emrah KARAMAN |
| MAT749 | Algebra I | 3-0-0 | 8 | S | Asst. Prof. Dr.Eda TEKİN |
| MAT750 | Coding Theory I | 3-0-0 | 8 | S | Prof. Dr. Ayşe NALLI |
| MAT751 | Coding Theory I | 3-0-0 | 8 | S | Prof. Dr. Ayşe NALLI |
| MAT752 | Introduction to Mathematical Oncology I | 3-0-0 | 8 | S | Asst. Prof. Dr.Özlem ÖZTÜRK MIZRAK |
| MAT753 | Introduction to Mathematical Oncology II | 3-0-0 | 8 | S | Asst. Prof. Dr.Özlem ÖZTÜRK MIZRAK |
| MAT754 | History of Mathematics | 3-0-0 | 8 | S | Dr. Öğr Üyesi Ahmet Zahid KÜÇÜK |
| MAT755 | Applied Statistics | 3-0-0 | 8 | S | Asst. Prof. Dr.Çiğdem İNCİ KUZU |
| MAT756 | Game Theory | 3-0-0 | 8 | S | Asst. Prof. Dr.Çiğdem İNCİ KUZU |

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|----------|----------------------------------------------------------|-------|----|---|-----------------------------------------|
| MAT757 | Geogebra and Its Applications in Mathematics Teaching I | 3-0-0 | 8 | S | Asst. Prof. Dr.Ahmet EMİN |
| MAT758 | Geogebra and Its Applications in Mathematics Teaching II | 3-0-0 | 8 | S | Asst. Prof. Dr.Ahmet EMİN |
| MAT201 | Analysis III | 4-2-0 | 6 | S | Asst. Prof. Dr.Adil HÜSEYİN |
| MAT202 | Analysis IV | 4-2-0 | 6 | S | Asst. Prof. Dr.Adil HÜSEYİN |
| MAT203 | Linear Algebra I | 4-2-0 | 6 | S | Asst. Prof. Dr.Ebru ERGÜN HÜSEYİN |
| MAT204 | Linear Algebra II | 4-2-0 | 6 | S | Asst. Prof. Dr.Ebru ERGÜN HÜSEYİN |
| MAT205 | Differential Equations I | 3-2-0 | 6 | S | Prof. Dr. Şerif AMİROV |
| MAT206 | Differential Equations II | 3-2-0 | 6 | S | Prof. Dr. Şerif AMİROV |
| LUEE701 | Scientific Research Techniques and Scientific Ethics | 3-0-0 | 8 | C | Asst. Prof. Dr.Semiha YILDIRIM SARIKAYA |
| MAT797 | MSc Seminar | 0-2-0 | 6 | C | All Faculty Members in the Program |
| MAT7098D | Course Specialised Field | 4-0-0 | 4 | C | All Faculty Members in the Program |
| MAT7098T | Thesis Specialised Field | 4-0-0 | 4 | C | All Faculty Members in the Program |
| MAT799 | Master's Thesis Study | 0-1-0 | 26 | C | All Faculty Members in the Program |

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