



DEU Undergraduate Mathematics Marathon Day 19 June



Thursday — 19 June — B206

Time	Speaker(s)	Title
09:30	Muzaffer Kaan Dinç	Bernolli Numbers
09:55	Özlem Nur Dalar	The Smith Normal Form
10:20	Osman Başkut	Smith Normal Forms of Matrices Arising from Cayley Graphs of Some Abelian Groups
10:45	Ekin Yağcıoğlu Dilşat Sesli	Simplicial Complexes in Commutative Algebra
11:10	Asya Aleyna Yılmaz	Web-Based Decision Support System: A Family Medicine Application
11:35	Deniz Öter	Finite Fileds
12:00	Aleyna Özdoğan Umut Özen	Mathematical Modeling of a Three Axis Robotic Arm
12:25	Ela Karbuç	Gamma and Bessel Functions and Their Applications to Cylindrical Diffusion Equation
12:50	Zeynep Nur Karaca	Physics-Informed Neural Networks for the Black-Scholes Equation
13:15	Yahya Tutmaz	Cryptology: The Mathematical Foundation of Secure Information
13:40	Rüya Tümer	Banach Fixed Point Theorem and Its Applications
14:05	Mustafa Eren Taşlı	Shidoku and Gröbner Basis
14:30	Özge Nur Baş Fatih Özdemir	Development and Implementation of an Innovative Hybrid Method for Outstanding Claims Reserves in Insurance Companies in Inflationary Economies
14:55	Burcu Saraç	Solutions of Partial Differential Equation by Fourier Transform
15:30	Selin Sucu Mehmet Baki Kökcüler	Mathematical Analysis of Musical Structures: An Approach Through Fractals and Fourier Series
15:55	Sena Çetin Sabri Bozkurt	The Life Of Pi
16:20	Sena Büyükdoğan Asel Aydın	Geometric Analysis of Generalized Bezier Curves
17:00	Asude Yaren Çetin Deniz Karaman Metin Kutluca	Mannheim Motion