Department of Mathematics and Science Education

Department of Mathematics Education

Master's Program Course List

Course Code	Course Name and Content	TPK	ECTS Credit
İME 501	Graduate Seminar	- - -	8
İME 502	Computer Aided Data Analysis	3 0 3	5
IME 503	Psychology of Learning	3 0 3	5
İME 504	Reform Movements in School Mathematics	3 0 3	5
İME 505	Computer Aided Mathematics Teaching I	2 2 3	5
IME 506	Computer Aided Mathematics Teaching II	2 2 3	5
İME 507	Review of Subject Area Course Curriculum	3 0 3	5
IME 508	New Trends in Mathematics Education Research	3 0 3	5
IME 509	Test Development in Mathematics Education	3 0 3	5
IME 510	History of Mathematics	3 0 3	5
İME 511	Research Methods in Mathematics Education	3 0 3	5
IME 512	Teaching Geometry	3 0 3	5
IME 513	Philosophy of Mathematics Education	3 0 3	5
IME 514	Problem Solving in Mathematics	3 0 3	5
İME 515	Teaching Mathematics According to Constructivist Learning Approach I	3 0 3	5
İME 516	Teaching Mathematics According to Constructivist Learning Approach II	3 0 3	5
İME 517	Differences in Thinking in Mathematics Teaching	3 0 3	5
İME 518	Meta Analysis in Mathematics Education	3 0 3	5
İME 519	Quantitative Data Analysis in Educational Research	3 0 3	5
IME 520	Project Preparation in Mathematics Education	3 0 3	5
İME 521	Mathematical Fields and Field Change	3 0 3	5
İME 522	New Approaches in Material Development in Education	3 0 3	5
İME 523	Use of Project-Based Learning in Mathematics Education	3 0 3	5
İME 524	Representations in Mathematics Teaching	3 0 3	5
İME 525	Algebra Teaching in Primary Education I	3 0 3	5
İME 526	Academic Writing Skills	3 0 3	5
İME 527	The Concept of Giftedness and Intelligence Theories	3 0 3	5
IME 528	Reporting Scientific Research in Mathematics Education	3 0 3	5
IME 529	Teaching Algebra in Primary Education II	3 0 3	5
IME 530	Program Development and Evaluation in Mathematics Education	3 0 3	5
İME 531	Concept Teaching in Mathematics Education	3 0 3	5
İME 599	Master's Thesis	- - -	25
İME 601	Specialization Course	6 0 0	5