
Master of Science Program in Mathematics

Faculty of Science and Technology

Thammasat University

New Curriculum Year 2008 (2551)

The curriculum structure: Total requirements (at least)39 Credits

Course Structure

Required Courses	12	Credits
Elective Courses (at least)	15	Credits
Thesis	12	Credits

Refresher Courses

Credits

MA 501	Algebra	3(3-0-9)
MA 502	Introduction to Analysis	3(3-0-9)

Required Courses

Credits

MA 621	Abstract Algebra	3(3-0-9)
MA 622	Linear Algebra	3(3-0-9)
MA 641	Linear Analysis	3(3-0-9)
MA 791	Seminar in Mathematics 1	1(1-0-3)
MA 792	Seminar in Mathematics 2	2(2-0-6)

Elective Courses

Students are required to take at least 5 courses 15 credits of the following elective courses.

credits

MA 617	Fuzzy Logic and Fuzzy Sets	3(3-0-9)
MA 626	Advanced Algebra	3(3-0-9)

MA 627	Applied Matrix Algebra	3(3-0-9)
MA 628	Operator Algebra	3(3-0-9)
MA 636	Topology	3(3-0-9)
MA 638	Differential Geometry	3(3-0-9)
MA 646	Applied Analysis	3(3-0-9)
MA 647	Real Analysis	3(3-0-9)
MA 648	Functional Analysis	3(3-0-9)
MA 649	Multivariable Analysis	3(3-0-9)
MA 656	Mathematical Programing	3(3-0-9)
MA 657	Combinatorial Optimization	3(3-0-9)
MA 666	Ordinary Differential Equations	3(3-0-9)
MA 667	Partial Differential Equations	3(3-0-9)
MA 668	Mathematical Modeling	3(3-0-9)
MA 669	Theory of Probability	3(3-0-9)
MA 676	Combinatorial Optimization	3(3-0-9)
MA 677	Graph Theory	3(3-0-9)
MA 678	Numerical Analysis	3(3-0-9)
MA 679	Theory of Computation	3(3-0-9)
MA 686	Mathematical Methods for Physics	3(3-0-9)
MA 726	Numerical Linear Algrebra	3(3-0-9)
MA 746	Complex Analysis	3(3-0-9)
MA 756	Special Topics in Operation Research	3(3-0-9)
MA 766	Special Topics in Mathematical Modeling	3(3-0-9)
MA 767	Stochastic Processes	3(3-0-9)
MA 776	Quantum Computation	3(3-0-9)
MA 777	Computer Mathematics	3(3-0-9)
MA 778	Finite Element Methods	3(3-0-9)

MA 786	Special Topics in General Mathematics	3(3-0-9)
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17.4.1 Thesis

Credits

MA 800	Thesis	12
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