

**Mid-West University, Faculty of Education**  
**Bachelor in Education, Mathematics Education Revised Syllabus 2078**

**Year 1/ Semester- I**

<b>Subject Code</b>	<b>Name of the Subject</b>	<b>Credit Hours</b>
COM 411	English Language Proficiency I	3
COM 412	Compulsory Nepali I	3
EDU 413	Socio-Philosophical Foundations of Education	3
MATH 414	Calculus for Teachers	3
MATH 415	Number Theories for Teachers	3
	<b>Total Credit Hour</b>	<b>15</b>
	<b>Year 1/ Semester- II</b>	
COM. 421	English Language Proficiency II	3
COM. 422	Readings in Nepali Language	3
EDU 423	Emerging Theories of Learning	3
MATH 424	Matrix Algebra	3
MATH 424	Geometry for Teachers	3
	<b>Total Credit Hour</b>	<b>15</b>
	<b>Year II/ Semester- III</b>	
EDU 431	Educational Development in Nepal	3
EDU 432	Curriculum and Assessment	3
MATH 433	Algebra for Teachers	3
MATH 434	Discrete Mathematics	3
MATH 435	Graph Theory	3
	<b>Total Credit Hour</b>	<b>15</b>
	<b>Year II/ Semester- IV</b>	
EDU 441	Social Justice in Education	3
EDU 442	Fundamentals of Research in Education	3
MATH 443	Trigonometry for Teachers	3
MATH 444	Vector Analysis for Teachers	3
MATH 445	Logic for Teachers	3
	<b>Total Credit Hour</b>	<b>15</b>
	<b>Year III/ Semester- V</b>	
MATH 451	Fundamentals of Real Analysis	3
MATH 452	Analytical Solid Geometry	3
MATH 453	Basic Abstract Algebra	3
MATH 454	Projective Geometry	3
MATH 455	Mathematical Programs	3
	<b>Total Credit Hour</b>	<b>15</b>
	<b>Year III/ Semester- VI</b>	
MATH 461	Data Modeling	3
MATH 462	Principles of Real Analysis	3
MATH 463	Differential Equations	3
MATH 464	Multivariable Calculus	3
MATH 465	Inferential Statistics	3
	<b>Total Credit Hour</b>	<b>15</b>
	<b>Year IV/ Semester- VII</b>	
MATH 471	Mathematical Modeling	3
MATH 472	Basic Topology	3
MATH 473	Complex Analysis	3
MATH 474	Operation Research	3
MATH 475	Theory of Mathematics Instruction	3
	<b>Total Credit Hour</b>	<b>15</b>
	<b>Year IV/ Semester- VIII</b>	
MATH 481	Action Research in Teaching Mathematics	3
MATH 482	Teaching Material Development	3
MATH 483	Instructional Design in Mathematics	3
MATH484	Teaching Practice on Campus	3
MATH 485	Teaching Practice off Campus	3
	<b>Total Credit Hour</b>	<b>15</b>
	<b>Total Credit Hour</b>	<b>120</b>

