



Far Western University
Faculty of Education
Bachelor of Education (B.Ed.) in Mathematics
Revised Course Cycle, 2079

First Semester

S. No.	Course Code	Courses	Types of Courses	Credit Hours
1	C. Nep. 110	अनिवार्य नेपाली -१	Communication	3
2	C.Eng.1110	Study Skills in English I	Communication	3
3	Ed. 111	Philosophies in Education	Professional	3
4	Math. Ed. 111	Differential Calculus	Major	3
5	Math. Ed. 112	Probability and statistics	Major	3

Second Semester

S. No.	Course Code	Courses	Types of Courses	Credit Hours
1	C. Nep. 120	अनिवार्य नेपाली -२	Communication	3
2	C.Eng.120	Study Skills in English II	Communication	3
3	Ed. Psy. 121	Developmental Psychology	Professional	3
4	Math. Ed. 121	Integral Calculus	Major	3
5	Math. Ed. 122	Geometry	Major	3

Third Semester

S. No.	Course Code	Courses	Types of Courses	Credit Hours
1	C.Eng.230	Study Skills in English III	Communication	3
2	Ed. Psy. 231	Learning, Teaching and Assessment	Professional	3
3	Ed. Cur. 232	Introduction to Curriculum	Professional	3
4	Math. Ed. 231	Number Theory	Major	3
5	Math. Ed. 232	Basic Linear Algebra	Major	3

Fourth Semester

S. No.	Course Code	Courses	Types of Courses	Credit Hours
1	Ed. 241	Education and Society	Professional	3
2	Ed. Tech. 242	Instructional Methods and Technology	Professional	3
3	Math. Ed. 241	Real Analysis I	Major	3
4	Math. Ed. 242	Analytical Geometry	Major	3
5	Math. Ed. 243	Developing Instructional Materials for Teaching Mathematics	Major	3
6	... 244	Select any other subject	Minor	3

Fifth Semester

S. No.	Course Code	Courses	Types of Courses	Credit Hours
1	Ed. NS. 351	Nepal's Study	Professional	3
2	Ed.St.352	Application of Statistics in Education	Professional	3
3	Math. Ed. 351	Real Analysis II	Major	3
4	Math. Ed. 352	Topology and Graph theory	Major	3
5	Math. Ed. 353	History of Mathematics	Major	3
6	... 354	Select any other subject	Minor	3

Sixth Semester

S. No.	Course Code	Courses	Types of Courses	Credit Hours
1	Ed. 361	Educational Development in Nepal	Professional	3

2	Math. Ed. 361	Mathematical Analysis	Major	3
3	Math. Ed. 362	Vector Geometry	Major	3
4	Math. Ed. 363	Curricula in Mathematics Education	Major	3
5	... 364	Select any other subject	Minor	3
6	...365	Select any other subject	Minor	3

Seventh Semester

S. No.	Course Code	Courses	Type of Courses	Credit Hours
1	Ed. 471	Diversity in Education	Professional	3
2	Math. Ed. 471	Abstract Algebra	Major	3
3	Math. Ed. 472	Discrete Mathematics	Major	3
4	Math. Ed. 473	Teaching Mathematics	Major	3
5	... 474	Select any other subject	Minor	3
6	... 475	Select any other subject	Minor	3

Eighth Semester

S. No.	Course Code	Courses	Type of Courses	Credit Hours
1	Ed. 481	Alternative Thinking in Education	Professional	3
2	Ed. 482	Teaching Practice /Practicum	Professional	3
3	Math. Ed. 481	Professional Development of Mathematics Teachers	Major	3
4	Math. Ed. 482	Integrated Approaches for Mathematics Education	Major	3

List of Minor Mathematics Subjects

Semester	Course Code	Courses	Type of Courses	Credit Hours
IV	Math.Ed. MC. 241	Discrete Mathematics	Minor	3
V	Math.Ed. MC. 351	Topology and Graph theory	Minor	3
VI	Math.Ed. MC. 361	Geometry	Minor	3
VI	Math.Ed. MC. 362	Differential Calculus	Minor	3
VII	Math.Ed. MC. 471	Basic Linear Algebra	Minor	3
VII	Math.Ed. MC. 472	Probability and Statistics	Minor	3

Remark: Mathematics students should choose minor subjects from any other prescribed subject. In addition, Students majoring in a subject other than mathematics who want to take a minor in mathematics can choose a minor subject from the list given above.

Summary Table

Type of Courses	Number of Courses	Credit Hours
Communication	5	$5 \times 3 = 15$
Professional	12	$12 \times 3 = 36$
Major	20	$20 \times 3 = 60$
Minor	6	$6 \times 3 = 18$
Total	43	$43 \times 3 = 129$