



**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	Credits
1	C.Nep.110	अनिवार्य नेपाली -१	Communication	3
2	C.Eng.110	<b>Study Skills in English I</b>	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	Credits
1	C.Nep.120	अनिवार्य नेपाली -२	Communication	3
2	C.Eng.120	<b>Study Skills in English II</b>	Communication	3
3	Ed.Psy.122	Developmental Psychology	Professional	3
4	Math.Ed.123	Integral Calculus	Major	3
5	Math.Ed.124	Geometry	Major	3

**Third Semester**

S. No.	Course Code	Courses	Types of Courses	Credits
1	C.Eng.230	<b>Study Skills in English III</b>	Communication	3
2	Ed.Psy.233	Learning, Teaching and Assessment	Professional	3
3	Ed.Cur.234	Introduction to Curriculum	Professional	3
4	Math.Ed.233	Number Theory	Major	3
5	Math.Ed.2334	Basic Linear Algebra	Major	3

**Fourth Semester**

S. No.	Course Code	Courses	Types of Courses	Credits
1	Ed.243	Education and Society	Professional	3
2	Ed.Tech.244	Instructional Methods and Technology	Professional	3
3	Math.Ed.245	Real Analysis I	Major	3
4	Math.Ed.246	Analytical Geometry	Major	3
5	Math.Ed.247	History of Mathematics	Major	3
6	... 24.1	<b>Select any other subject</b>	<b>Minor</b>	<b>3</b>

**Fifth Semester**

S. No.	Course Code	Courses	Types of Courses	Credits
1	Ed.NS.352	Nepal's Study	Professional	3
2	Ed.St.353	Application of Statistics in Education	Professional	3
3	Math.Ed.356	Real Analysis II	Major	3
4	Math.Ed.3547	Topology and Graph theory	Major	3
5	Math.Ed.358	Developing Instructional Materials for Teaching Mathematics	Major	3
6	... 35.2	<b>Select any other subject</b>	<b>Minor</b>	<b>3</b>

**Sixth Semester**

S. No.	Course Code	Courses	Types of Courses	Credits
1	Ed.362	Educational Development in Nepal	Professional	3
2	Math.Ed.367	Mathematical Analysis	Major	3
3	Math.Ed.368	Vector Geometry	Major	3
4	Math.Ed.369	Curricula in Mathematics Education	Major	3
5	... 36.3	Select any other subject	Minor	3
6	...36.4	Select any other subject	Minor	3

**Seventh Semester**

S. No.	Course Code	Courses	Type of Courses	Credits
1	Ed.472	Diversity in Education	Professional	3
2	Math.Ed.476	Abstract Algebra	Major	3
3	Math.Ed.477	Discrete Mathematics	Major	3
4	Math.Ed.478	Teaching Mathematics	Major	3
5	... 47.5	Select any other subject	Minor	3
6	... 47.6	Select any other subject	Minor	3

**Eighth Semester**

S. No.	Course Code	Courses	Type of Courses	Credits
1	Ed.483	Alternative Thinking in Education	Professional	3
2	Ed.TP.484	Teaching Practice /Practicum	Professional	3
3	Math.Ed.485	Professional Development of Mathematics Teachers	Major	3
4	Math.Ed.486	Integrated Approaches for Mathematics Education	Major	3

**List of Minor Mathematics Subjects**

Semester	Course Code	Courses	Type of Courses	Credits
IV	Math.Ed.M.24.1	Discrete Mathematics	Minor	3
V	Math.Ed.M.35.2	Topology and Graph theory	Minor	3
VI	Math.Ed.M.36.3	Geometry	Minor	3
VI	Math.Ed.M.36.4	Differential Calculus	Minor	3
VII	Math.Ed.M.47.5	Basic Linear Algebra	Minor	3
VII	Math.Ed.M.47.6	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	5×3=15
Professional	12	12×3=36
Major	20	20×3=60
Minor	6	6×3=18
Total	43	43×3=129