MacEwan UNIVERSITY

FACULTY OF ARTS AND SCIENCE

MATHEMATICS MINOR

2017/18 Academic Year

Overall Minor Requirements

☐ 18 senior-level, non-duplicative mathematics credits
☐ A minimum of 6 credits at the 300- or 400-level

Required Courses for the Mathematics Minor

The courses listed below are not part of the mathematics minor, but are prerequisites for required minor courses.

☐ MATH 114 Elementary Calculus I
☐ MATH 115 Elementary Calculus II

Choose 3 credits:

☐ MATH 120 Basic Linear Algebra I
☐ MATH 125 Linear Algebra I

Minor Requirements | 18 Credits

Choose 18 credits:

☐ MATH_____
☐ MATH_____
☐ MATH _____
☐ MATH _____
☐ MATH _____
☐ MATH _____

Important Planning Notes

1. Courses required for the minor may be used to satisfy the breadth requirements in a Bachelor of Arts or Science degree. Please refer to the applicable degree planner for details.
2. Students are required to consult the MacEwan University academic calendar to ensure they meet prerequisites for all courses they enrol in.
3. Students who have credit in MATH 113 cannot take MATH 100 or 114 for credit as they are equivalent courses.
4. Students who have credit in MATH 115 cannot take MATH 101 for credit as they are equivalent courses.
5. Students who have credit in MATH 120 or 125 cannot take MATH 102 for credit as they are equivalent courses.
3. Please keep in mind that course offerings will vary from academic year to academic year.

Mathematics Minor (18 credits) **Total Credits: _____**

Mathematics Course Offerings

- ☐ MATH 200 Fundamental Concepts of Math
- ☐ MATH 214 Intermediate Calculus I
- ☐ MATH 215 Intermediate Calculus II
- ☐ MATH 222 Discrete Mathematics
- ☐ MATH 225 Linear Algebra II
- ☐ MATH 228 Algebra: Introduction to Ring Theory
- ☐ MATH 241 Geometry

- ☐ MATH 310 Real Analysis
- ☐ MATH 311 Complex Variables
- ☐ MATH 312 Probability Theory
- ☐ MATH 320 Elementary Number Theory
- ☐ MATH 321 Fields and Modules
- ☐ MATH 330 Ordinary Differential Equations
- ☐ MATH 341 Modern Geometries
- ☐ MATH 350 Introduction to Graph Theory
- ☐ MATH 361 History of Mathematics

- ☐ MATH 410 Analysis and Topology
- ☐ MATH 420 Groups and Galois Theory
- ☐ MATH 430 Applied Dynamical Systems
- ☐ MATH 436 Introduction to Partial Differential Equations
- ☐ MATH 495 Special Topics in Mathematics