

(3-0-0; —)

Mathematics with a Historical Perspective

MATH-381*

The course is intended for science and mathematics students interested in the history and philosophy of mathematics. As part of the mathematics major Teaching Focus, it is particularly recommended for prospective teachers.

The twelve chapters of the text guided the progress of the course. Students read one chapter per week. Lectures follow up on issues raised in the reading or else digress to fill in background not provided by the text. Students prepared a written project on a topic of their own choosing. The instructions for the projects called for a format based on the format of chapters in the text.

Textbook: *Journey Through Genius*
by William Dunham (Penguin Books Canada)

Prerequisite: MATH-110 *or* 111, MATH-120 *or* 121.

Instructors: G. Orzech and M. Orzech

Evaluation: Weekly assignments 30%
Project 30%
Final examination 40%