MAST 699 (MAST 833), Sec. G Topics in Algebra – Algebraic Geometry *Fall 2023*

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Email: adrian.iovita@concordia.caOffice Hours:By appointment.Class Schedule:Tuesdays and Fridays, 9:00-11:00 AM. The term will be 12 weeks in
length, with the midterm break from Tuesday, October 10th to
Sunday, October 15th. Monday, October 9th, the university will be
closed due to Thanksgiving Day.Textbook:No textbook.Topics:The course will develop the main theme of schemes, following
chapter II of Hartshorne's book Algebraic Geometry. We will study

chapter II of Hartshorne's book Algebraic Geometry. We will study sheaves on a topological space, affine schemes (we attach to any commutative ring with identity a pair consisting of a topological space and a sheaf of rings on it, called affine scheme) and finally schemes, which are pairs consisting of a topological space and a sheaf of rings on it which locally are isomorphic to an affine scheme. We'll study the properties of schemes and many examples.

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MAST 699 (MAST 833), Sec. G – Fall 2023 Page 2

Behaviour

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