

**School of Mathematics**

**Course 343 — Topics in Astrophysics**  
(SS Theoretical Physics, M.Sc. Students)

200001

**Lecturer:** Professor Luke Drury

**Requirements/prerequisites:**

**Duration:** 1 term

**Number of lectures per week:** 2

**Assessment:**

**End-of-year Examination:** One 2-hour examination at end of course.

**Description:** Elements of astrophysical gas dynamics; theory of ionization fronts and shock waves; simple dynamical models of HII regions and supernova remnants; gravitational instability and star formation; high-energy astrophysics and cosmic ray physics.

October 13, 2000