

Astronomy 1072
Birth & Death of Stars
Summer 2010

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Office Hours: 2:00 - 3:00pm (Tuesday, Friday); or by appointment

Text: *21st Century Astronomy*, third edition, by Hester *et al.* (Norton)

Course Description

A study of the life cycles of the stars from their birth in dark, dense interstellar dust clouds to their deaths in nature's most violent cataclysms with a focus on stars and humanity, the formation of the chemical elements, the effects of nearby supernovae, the future of the Sun and the ultimate fate of Earth, and the question of planetary systems around other stars.

Birth & Death of Stars along with the co-requisite laboratory, AST1073, are a core science courses, required for College of Arts and Sciences students. These students **MUST** also complete AST1074 and its associated lab to fulfill their core requirement with this course sequence.

Disability Policy

It is the policy of Villanova to make reasonable academic accommodations for qualified individuals with disabilities. If you are a person with a disability please contact me after class or during office hours and make arrangements to register with the Learning Support Office by contacting 610-519-5636 or at Nancy.Mott@Villanova.edu as soon as possible. Registration is needed in order to receive accommodations.

Grading

There will be four (4) in-class Hourly exams and one (1) cumulative Final exam. Not attending any one of these exams will result in a score of zero (0), which could have a serious impact on your final grade! If an exam is missed due to an *excused* absence, a makeup exam will be scheduled. In fairness to all students, the makeup exams will be of a different format than the in-class tests. They may incorporate short answer, fill-in-the-blank, and/or essay questions.

Your course average will be computed from the above test scores according to the following formula,

$$\frac{Test_1 + Test_2 + Test_3 + Test_4 + Final}{5}$$

Your final letter grade will be determined according to the following scale:

A	93 +
A-	90 - 92.99
B+	87 - 89.99
B	83 - 86.99
B-	80 - 82.99
C+	77 - 79.99
C	73 - 76.99
C-	70 - 72.99
D+	67 - 69.99
D	63 - 66.99
D-	60 - 62.99
F	00 - 59.99

A Word on Academic Integrity

As a community committed to the Augustinian ideals of truth, unity, and love, Villanova University prides itself on maintaining the highest standards of academic integrity and does not tolerate any form of academic dishonesty or misconduct. As is true with all work done at Villanova (or anywhere else for that matter), there is a well-defined policy that applies to Academic Integrity. This policy can be found in its entirety in your Echiridion (see *Policy on Academic Integrity* and the Appendix I). You should read and understand this policy. To paraphrase, there are seven specific sections addressed by this policy: Cheating, Fabrication, Assisting in or Contributing to Academic Dishonesty, Plagiarism, Multiple Submission of Work, Unsanctioned Collaboration, and Other Forms of Dishonesty. To paraphrase the stance of this course on these issues: There will be **NO** Cheating, Fabrication, Assisting in or Contributing to Academic Dishonesty, Plagiarism, Multiple Submission of Work, Unsanctioned Collaboration, **OR** Other Forms of Dishonesty tolerated in this class!

If it comes to pass that an Academic Integrity infraction occurs, the Instructor may (but is not limited to) reduce the score on the offending assignment, reduce the course grade, and/or refer the individual to the Board of Academic Integrity.