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Introduction to Astrophysics II. Spring 1999. Prof. Steven T. Myers. T Th 12pm-1:30pm DRL A7. Last update: 6 May 1999. Text: Introductory Astronomy & Astrophysics(Fourth Edition) by Zeilik and Gregory (ZG4) Index to Lecture

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### Spring 1999 - National Radio Astronomy Observatory

Introductory Astronomy and Astrophysics, by M. Zeilik, S. Gregory and E. Smith (ZGS) International Thompson Publishing. The Physical Universe: An Introduction to Astronomy, by Frank H. Shu, University Science Books (Shu) Intelligent Life in The Universe, by H. Ulmschneider, Springer-Verlag

### ASTROPHYSICS 205 - Princeton University

Introductory Astronomy and Astrophysics (Saunders golden sunburst series) Michael Zeilik; Stephen A. Gregory; Elske V. Smith Published by Harcourt School (1992)

### Introductory Astronomy and Astrophysics by Zeilik Michael ...

Introductory Astronomy and Astrophysics / Edition 4. by Stephen A. Gregory, Michael Zeilik. Stephen A. Gregory.

### Introductory Astronomy and Astrophysics / Edition 4 by ...

Zeilik, Michael, and Stephen A. Gregory. Introductory Astronomy and Astrophysics. 4th ed. Fort Worth, TX: Saunders College Publishing, 1997. ISBN: 9780030062285.

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This concise textbook, designed specifically for a one-semester course in astrophysics, introduces astrophysical concepts to undergraduate science and engineering students with a background in college-level, calculus-based physics. The text is organized into five parts covering: stellar properties; stellar structure and evolution; the interstellar medium and star/planet formation; the Milky Way and other galaxies; and cosmology. Structured around short easily digestible chapters, instructors have flexibility to adjust their course's emphasis as it suits them. Exposition drawn from the author's decade of teaching his course guides students toward a basic but quantitative understanding, with 'quick questions' to spur practice in basic computations, together with more challenging multi-part exercises at the end of each chapter. Advanced concepts like the quantum nature of energy and radiation are developed as needed. The text's approach and level bridge the wide gap between introductory astronomy texts for non-science majors and advanced undergraduate texts for astrophysics majors.

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