ASTR. 403/Phys. 402 – "Stars" Syllabus

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$\mathbf{H} \equiv \mathbf{homework} \ \mathbf{due}$

Date	Lecturer	Topic
Feb. 6– March 15	BTD	The Interstellar Medium and Star Formation
March 15, Wednesday		MID-TERM EXAM
March 18-26		***Spring Recess***
27	AB	Stellar Timescales and Basics
29	AB	Equations of Stellar Structure and the Virial Theorem
Apr. 3	AB	Microphysics: Equation of State, Opacities
$5 \overline{H}$	AB	Radiative Transfer, and Convection
10	AB	Scaling Relations and Polytropes
12 H	AB	Nuclear Masses, Fusion Reactions, and Energetics
17	AB	Hayashi Track, Ignition Mass, and Schönberg-Chandrasekhar Limit
19 H	AB	Shell Burning
24	AB	Stages of Stellar Evolution
26 H	AB	Nucleosynthesis
May 1	AB	Stellar Endpoints: White Dwarfs, Neutron Stars, and Black Holes
3	AB	Supernova Explosions
May 8-16		-Reading Period-
17, Wednesday		FINAL EXAM