

University of Florida
Department of Astronomy

AST 6245 – Radiative Processes in Astrophysics

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Review of Lecture Notes for Spring Term 2020

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Chapter I

Spontaneous Emission, Stimulated Emission, and Absorption

Chapter II

Radiative Transfer

Chapter III

Stellar Atmospheres

Chapter IV

Statistical Equilibrium: Bound-Bound Transitions

Chapter V

Statistical Equilibrium: Bound-Free Transitions (i.e. Photoionization)

Chapter VI

Free-Free Emission

Chapter VII

Synchrotron Radiation