

Astronomy 1102/1104
Lecture Outline for Final Exam

1 May, 2009

Lectures as given

Lect.	Date	Topic	Material covered (see outline below)
38	22 Apr	V.01	5.1.1.-4.
39	24 Apr	V.02	5.1.5. 5.2.
40	27 Apr	V.03	5.3.1.-4.
41	29 Apr	V.04	5.3.4. 5.4. 5.5.
42	1 May	V.05	Review
43	6 May	V.06	Final exam at 7 pm

Outline

5. Exobiology

5.1. Introduction to Exobiology

1. Habitable Zones
2. The Making of Life
3. The Drake Equation
4. Fermi's Paradox
5. Review

5.2. Detecting Exoplanets

1. Spectroscopy Review
2. Some Definitions
3. Detection Methods

5.3. Observations of Exoplanets

1. Brown Dwarfs
2. False Alarms
3. Success
4. Transiting Systems

5.4. Life Out There

1. Updates
2. History of the Universe, Part I
3. Addressing the Fermi Paradox

5.5. Conclusion

1. A Perspective
2. This Thing Called Science
3. Revolutions