

**SCIE 003B Introduction to Cosmology      1 credit**Course instructor

Prof Lam Hui

Associate Professor, Columbia University

Visiting Scholar of Physics

Course description

Basic concepts of the standard hot big bang model are introduced. Topics covered include: expansion dynamics, space-time geometry, thermal history of the universe, energy contents of the universe, microwave background and structure formation.

Prerequisite: AL Physics and AL Mathematics/MATH 021/MATH 022/MATH 024

Textbook

“Introduction to Cosmology” by Barbara Ryden

Schedule

FORMAT	DATE	TIME	NO. OF CONTACT HOURS
Lecture	23 June 2008 (Mon)	4:00pm-5:30pm	1.5 hours
	25 June 2008 (Wed)	4:00pm-5:30pm	1.5 hours
	26 June 2008 (Thur)	4:00pm-5:30pm	1.5 hours
	27 June 2008 (Fri)	4:00pm-5:30pm	1.5 hours
	2 July 2008 (Wed)	4:00pm-5:30pm	1.5 hours
	3 July 2008 (Thur)	4:00pm-5:30pm	1.5 hours
	4 July 2008 (Fri)	4:00pm-5:30pm	1.5 hours
	7 July 2008 (Mon)	4:00pm-5:30pm	1.5 hours
Tutorial	30 June 2008 (Mon)	4:00pm-5:00pm	1 hour
	9 July 2008 (Wed)	4:00pm-5:00pm	1 hour

Assessment

Homework

Quota

60