



Sterrenstels & Kosmos: Galaxies and Cosmology

In this course, we will study the Universe on the biggest scales: from stars and star clusters to galaxies to clusters of galaxies to the Universe itself.

The course will be taught in English (by Prof. Trager) and Dutch (by Prof. van de Weygaert).

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Course Requirements

There will be a written exam (see below for the dates). Three written assignments will be distributed during the werkcolleges. It is required that *all three assignments* be turned into the teaching assistants in order for a grade to be awarded in the course.

Book

The book is *Astronomy: A Physical Perspective* by M.L. Kutner (Cambridge University Press: ISBN 9780521529273). Reading assignments are given in the agenda as “Kutner chapter.section” (e.g., K10.1 means Kutner chapter 10, section 1).

Website

All lecture notes and assignments will be available (in PDF format) at <http://www.astro.rug.nl/~sctrager/teaching/SenK/2009/>

Lectures	09-11-2009	Introduction; Stellar structure 1 (K9)
	10-11-2009	Stellar structure 2
	11-11-2009	Stellar evolution and stellar death 1 (K10.1+K10.4)
	16-11-2009	Stellar evolution and stellar death 2 (K11+K8.4)
	18-11-2009	Star clusters (K13)
	23-11-2009	Milky Way 1 (K16)
	24-11-2009	Milky Way 2 (K14.1,1.42,14.4)
	25-11-2009	Milky Way 3
	30-11-2009	Galaxies 1 (K17)
	02-12-2009	Galaxies 2
	07-12-2009	Galaxies 3 (K19)
	09-12-2009	The cosmic distance ladder (K10.2+K18.3)
	04-01-2010	Large scale structure in the Universe (K18)
	05-01-2010	Cosmology 1 (K20)
	06-01-2010	Cosmology 2
	11-01-2010	Cosmology 3
13-01-2010	The Big Bang (K21)	

Monday and Wednesday lectures in Nijenborg 4, rm. 80; Tuesday lectures in Bernoulliborg, rm. 105.

Werkcolleges	12-11-2009	Thursday
	19-11-2009	Thursday
	26-11-2009	Thursday
	01-12-2009	Tuesday
	10-12-2009	Thursday
	07-01-2010	Thursday
	14-01-2010	Thursday
	Review session	22-01-2010
Exam	27-01-2010 14.00	Examenhal
	22-04-2010 09.00	Hertentamen (location to be confirmed)