

Melkwegstelsels

Faculteit: Faculteit Natuur- en Sterrenkunde

ECTS-punten: 7.5 **Categorie:**M **Cursuscode:** NS-AP432M **Periode:** 30-08-2004 t/m 12-11-2004 (PER1)

Toegangseisen: .

Voertaal On request in English

Inhoud:

Galaxies are the building blocks of the Universe. Galaxies consist of stars, gas and dustclouds, and the unknown dark matter. The first part of the course deals with the structure of our galaxy (also called The Milky Way). We discuss the constituents of our galaxy (stars and gas and dust clouds) and their spatial distribution and velocities. In the second part of the course we describe the shape of our galaxy: a flat differentially rotating disk with spiral arms and with a black hole in its center. The galaxy is surrounded by a spherical halo of stars. We discuss the dynamical properties of the Milky Way and the origin of the spiral arms. The third part deals with other galaxies, their different shapes and contents and their different star-formation histories. In the last part we discuss the formation of galaxies. Massive galaxies like ours have been formed by merging and cannibalism of many smaller galaxies. This cannibalism is still going on.

Contactpersoon: prof.dr. H.J.G.L.M. Lamers

Docent(-en): prof.dr. H.J.G.L.M. Lamers

Bereikbaarheid:

tel.: 253 5222, e-mail: h.j.g.l.m.lamers@astro.uu.nl

Inschrijven via OSIRIS Online mogelijk: Ja

Inschrijven voor bijvakkers mogelijk: Ja

Werkvorm	Blok	Groep	Rooster			Gebouw	Zaal
Hoorcollege	PER1	1	02-09-2004 t/m 04-11-2004	Donderdag	09.00 - 11.00	BBL	768 (N&S)
			06-09-2004 t/m 01-11-2004	Maandag	13.00 - 17.00	BBL	768 (N&S)
Werkcollege	PER1	1	02-09-2004 t/m 04-11-2004	Donderdag	11.00 - 13.00	BBL	768 (N&S)
			07-09-2004 t/m 02-11-2004	Dinsdag	13.00 - 17.00	BBL	768 (N&S)

Algemeen:

Vorbereiding bijeenkomsten:

Toets	Blok	Gelegenheid	Rooster	Gebouw	Zaal
Tentamen	PER1	1			
Tentamen	PER2	2			

Toelichting: **Beoordeling:**

Tentamen

Each student gives an oral presentation over a self chosen subject. Also there is a written or oral exam at the end of the course.

Verplicht

materiaal:

Boek
Galactic Astronomy, J.Binney and M. Merrifield, Princeton Series in Astrophysics, 1998, ISBN 0-691-02565-7

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