

Cosmology 2014 (NS-TP430M) – Rules

Teacher: Tomislav Prokopec, MG 407, tel. 030 253 2969 (periods III, IV)

Assistants: Watse Sybesma, office MG 416, tel. 030 253 5922.

Lectures are on Tuesdays, 15:15-17:00 in BBG 161 (periods III and IV)

Lecture attendance: required (min 75%)

Exercise classes are on Thu 9:00-12:45 in BBG 165 (periods III and IV)

Attendance: required (min 80%)

Literature:

Required:

1. Lecture notes on Cosmology (Part I, II, III and IV) by Tomislav Prokopec, available at the website: <http://www.staff.science.uu.nl/~proko101/>

Recommended:

2. Steven Weinberg, *Cosmology*, Oxford University Press (2008), ISBN 978-0-19-852682-7
3. Scott Dodelson, *Modern Cosmology* (Academic Press 2003), ISBN-10: 0122191412, ISBN-13: 978-0122191411.
4. Viatcheslav Mukhanov, *Physical Foundations of Cosmology*, Cambridge University Press (2005) (ISBN-13: 9780511133190 — ISBN-10: 0511133197)
5. Edward W. Kolb and Michael S. Turner, *The Early Universe*, Addison-Wesley (1990)
6. Andrew R. Liddle and David H. Lyth, *Cosmological Inflation and Large-Scale Structure* (Cambridge University Press, 2000)
7. Philip James Edwin Peebles, *Principles of Physical Cosmology*, Princeton University Press (1993).

Course evaluation:

Homeworks (weekly): 30%, available at <http://www.staff.science.uu.nl/~proko101/>

Midterm: 30%; time and place: 09-12h on Thu, 17 April 2013 in GAMMA of Educatorium

Final exam: 40%; time and place: ?

Passing grade: 55%

There will be a *retake exam* at the end of Aug 2014, which will count for 100% of the grade. In order to be able to take the final exam, you need at least 25% at the midterm. In order to be able to take part in the retake, you need to collect at least 40% of the points in the course.