

Cosmology Course Syllabus

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- Google Classroom:
<https://classroom.google.com/c/MTMxMTI1OTA2NTM3?cjc=cxx76wh>
- Zoom meetings (Tuesdays at 10am):
<https://us02web.zoom.us/j/89095801089?pwd=Zm8vY1E3ZktCZ0dQSnJ4TDZTL2R5UT09>

Basic Recommended Texts

1. Galaxy Formation and Evolution by Houjun Mo , Frank van den Bosch , Simon White, Cambridge, UK: Cambridge University Press, 2010. [Mainly chapters 3, 4, 5 and 7]
2. A unified grand tour of theoretical physics by Ian D. Lawrie, Bristol, UK: IoP, 1990. [Mainly chapters 2 and 4]

Other Recommended Texts

1. Lecture Notes on General Relativity by Sean M. Carroll, 1997, eprint arXiv:gr-qc/9712019 (<https://arxiv.org/abs/gr-qc/9712019>).
2. Modern cosmology by Scott Dodelson, Amsterdam, Netherlands: Academic Press, 2003.
3. An Introduction to Mathematical Cosmology by J. N. Islam, Cambridge, UK: Cambridge University Press, 2001.
4. An Introduction to Modern Cosmology, by Andrew Liddle, Wiley-VCH , 2003.
5. Cosmology by Steven Weinberg, Oxford, UK: Oxford University Press, 2008.

Evaluation

- Final Examination: 40%
- Homework: 30%
- Final Project/Presentation: 30%