Syllabus

Course Code	ASTR8201	* Teaching Hours	48	* Credits	3
* Course Name					
* Instruction Language					
* School					
Prerequisite					**2**

Instructors	Name	Title	Department	E-mail

* Course Description	
* English Course Description	This advanced graduate course is only open for second year (or above) graduate students major in galaxies and cosmology, who have passed the courses of *observational cosmology* and *general relativity*. The teacher is encouraged to choose one to three research frontier topics, based on his own expertise and interest. Possible topics may include (but not limit to) weak gravitational lensing, galaxy clustering/BAO/RSD, cluster cosmology, secondary CMB anisotropies and other cosmic backgrounds, 21cm/FRB/GW standard siren cosmology, dark energy/modified gravity/LSS, the theory and application of LSS, theory and observation of galaxy formation. The selected topics should be taught in depth and in a systematic way, so that students can really understand the chosen research frontiers.

* Schedules	Week	Content	Hours	Format	Instructor
	1-4	1	12		
	5-6	1	6		

	7-10	2	12		
	11-12	2	6		
	13-16	3	12		
* Grading Policy	30% (30%) 40%				
* Textbooks & References	3. `				
Notes					

1 *

2 300-500