Schedule of the seminar on Galois Theory 2012.2—2012.6

Textbooks [A] *Algebra*, by Michael Artin
[M] *Field and Galois Theory*, by Patrick Morandi
Time Sunday mornings 9:00—12:00
Venue 紫金港
Coordinator 周 杨 (Mobile: 15068151550)

	Date	**Contents**	**Speakers**
1	2012.2.26	[A] Fields Sections 13.1—13.3	
2	2012.3.4	[A] Fields Sections 13.4—13.5,13.7	
3	2012.3.11	[A] Galois Theory Sections 14.1—14.3	
4	2012.3.18	[A] Galois Theory Sections 14.4—14.6	
5	2012.3.25	[A] Galois Theory Sections 14.7—14.8	
6	2012.4.8	[M] 1. Field Extensions, 2. Automorphsims, 3. Normal Extensions	
7	2012.4.15	[M] 4. Separable and Inseparable Extensions 5. The Fundamental Theorem of Galois Theory	
8	2012.4.22	[M] 6. Finite Fields, 7. Cyclotomic Extensions	
9	2012.4.29	[M] 8. Norms and Traces, 9. Cyclic Extensions	
10	2012.5.6	[M] 10. Hilbert Theorem 90 and Group Cohomology 11. Kummer Extensions	
11	2012.5.13	[M] 12. Discriminants, 13. Polynomials of Degrees 3 and 4	
12	2012.5.20	[M] 14. The Transcendence of π and e, 15. Regular and Compass Constructions, 16. Solvability by Radicals	
13	2012.5.27	[M] 17. Infinite Galois Extensions 18. Some Infinite Galois Extensions	
14	2012.6.3	[M] 19. Transcendence Bases 20. Linear Disjointness	

*There will be two speakers in each session.
*About one-third of the exercises in [A] and one-half of the exercises in [M] should be worked out and discussed at the end of each session.