

Text: Rotman, Advanced Modern Algebra

## TENTATIVE SCHEDULE OF LECTURES

Week	Lecturer	Pages	Topic		M	Tu	W	Th	F
1		Notes	Review of Rings	Aug	25	26	27	28	29
2		Notes	and Modules (meet Wednesday, Friday)	Sep	1	2	3	4	5
3		423-441	7.1 Modules		8	9	10	11	12
4		442-460	7.2 Categories		15	16	17	18	19
5		461-470	7.3 Functors		22	23	24	25	26
6		471-488	7.4 Projectives and injectives		29	30	1	2	3
7		498-519	7.6 Limits	Oct	6	7	8	9	10
8		574-605	8.4 Tensor products		13	14	15	16	17
9		784-812	10.2, 10.3 Group extensions		20	21	22	23	24
10		813-822	10.4 Homology functors		27	28	29	30	31
11		823-830	10.4 continued	Nov	3	4	5	6	7
12		830-852	10.5 Derived functors		10	11	12	13	14
13		852-870	10.6 Ext and Tor		17	18	19	21	22
14		870-874	10.7 Cohomology of groups (meet Monday only)		24	25	26	27	28
15		874-887	10.7 continued	Dec	1	2	3	4	5