


Lecture and exercise plan 2016
Issued 21 January 2016

- Book "Antennas and propagation for wireless communication systems", second edition, by Simon R. Saunders and Alejandro Aragón-Zavala.
Published by John Wiley & Sons in 2007, ISBN 978-0-470-84879-1
- Own lectures: Radio front-end and Free-space optics
- Additional material for PhD: agree one or two journal articles for PhD student to present

No	Date	Topic
1	22 January	Ch. 1 & 4.1-3. Introduction
2	29 January	Ch. 2 - 3.4. EM waves & propagation mechanisms. Exercise
3	5 February	Ch. 3.5 & 4.4. Diffraction & Dipole. Exercise
4	12 February	Ch. 4.5 - 5. Array antennas & basic propagation. Exercise
5	19 February	Ch. 6. Terrestrial fixed link (clear air & diffraction). Exercise
6	26 February	Ch. 7. Satellite fixed link (rain & ionosphere). Exercise
7	4 March	Ch. 8-9. Macro cells & shadowing. Exercise
8	11 March	Own lecture on Radio front-end and Free-space optics. Exercise 
	18 March	Lecture free
	25 March	Easter holiday
9	1 April	Ch. 10-11. Narrowband & wideband. Exercise
10	8 April	Ch. 12-13-14. Micro & pico & mega cells. Exercise
11	15 April	Ch. 15-16. Mobile system antennas & Overcome narrowband with diversity. Exercise
12	22 April	Guest lecture on MIMO and massive MIMO. Exercise
13	29 April	Wanted topics. Discuss written exercise
	6 May	Lecture free
	13 May	Lecture free
	20 May	Lecture free
	27 May	Oral exam

January

Week	Mo	Tu	We	Th	Fr	Sa	Su
53					1	2	3
1	4	5	6	7	8	9	10
2	11	12	13	14	15	16	17
3	18	19	20	21	22	23	24
4	25	26	27	28	29	30	31

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February

Week	Mo	Tu	We	Th	Fr	Sa	Su
5	1	2	3	4	5	6	7
6	8	9	10	11	12	13	14
7	15	16	17	18	19	20	21
8	22	23	24	25	26	27	28
9	29						

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March

Week	Mo	Tu	We	Th	Fr	Sa	Su
9		1	2	3	4	5	6
10	7	8	9	10	11	12	13
11	14	15	16	17	18	19	20
12	21	22	23	24	25	26	27
13	28	29	30	31			

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April

Week	Mo	Tu	We	Th	Fr	Sa	Su
13					1	2	3
14	4	5	6	7	8	9	10
15	11	12	13	14	15	16	17
16	18	19	20	21	22	23	24
17	25	26	27	28	29	30	

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May

Week	Mo	Tu	We	Th	Fr	Sa	Su
17							1
18	2	3	4	5	6	7	8
19	9	10	11	12	13	14	15
20	16	17	18	19	20	21	22
21	23	24	25	26	27	28	29
22	30	31					

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June

Week	Mo	Tu	We	Th	Fr	Sa	Su
22			1	2	3	4	5
23	6	7	8	9	10	11	12
24	13	14	15	16	17	18	19
25	20	21	22	23	24	25	26
26	27	28	29	30			

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