

Complex Networks – Mastermath 2015/16

14:00-16:45 VU Amsterdam, WN-P624

Literature: Remco van der Hofstad, Random Graphs and Complex Networks, Vol.1
 Available at: <http://www.win.tue.nl/~rhofstad/NotesRGCN.html>
 and <http://www.win.tue.nl/~rhofstad/NotesRGCN.pdf>

Date	Topic	Material	Dead-line
September 10	Introduction	Chapter 1	
September 17	Mathematical methods	Chapter 2	
September 24	Branching processes	Chapter 3	
October 1	Erdős-Rényi random graph	Chapter 4	Homework set 1
October 8	Erdős-Rényi random graph	Chapter 4	
October 15	Generalised RG	Chapter 6	Homework set 2
October 22	Configuration model	Chapter 7	
October 29	No class		
November 5	No class		
November 12	Preferential Attachment	Chapter 8	Homework set 3
November 19	Preferential Attachment	Chapter 8	
November 26	Centrality measures	Slides, articles	Homework set 4
December 3	Degree-degree correlations	Slides, articles	
December 10	No class. You may attend School on complex networks and graph models (registration before September 15!) and/or WAW 2015 at TU/e		
December 17	Presentations	See Projects, Datasets	