

Topic	Book Chapter: Cormen	Book Chapter: Kleinsberg	Book Chapter: Goodrich	Book Chapter: Papadimitriou	Book Chapter: Levitin	Book Chapter: Skiena	Slide
Algorithmic Analysis	3	2	1	1		2	https://drive.google.com/file/d/1BYmr0XyTbDIWhQB_mOSpV7KIAtbSKolX/view?usp=sharing
Basic Graph Algorithms- BFS, DFS, Strongly Connected Components, Topological Sort, Detecting cycle	22	3	13	3, 4.1, 4.2		5	https://drive.google.com/file/d/1SqAaB_RbUcOsvVlcUQfY3ULTwTpCO8EX/view?usp=sharing
Minimum Spanning Tree	23	4.5, 4.6	15	5.1	9.1, 9.2	6.1	https://drive.google.com/file/d/17Zp_HpSF5PmSyKqJq2YLEpavxRtxtu6Z/view?usp=sharing https://drive.google.com/file/d/1aASN1sr2B1kOffMD73FrAmnO7h2qTe2W/view?usp=sharing
Single Source Shortest Path	24		14.1-14.4	4.4, 4.6, 4.7	9.3	6.3	https://drive.google.com/file/d/13ahnYdaaQjun_NE4rWRomfOnikTEy1RK/view?usp=sharing
All Pair Shortest Path	25.2		14.5	6.6	8.4	6.3	https://drive.google.com/file/d/19lp994pF4LKLe6DPAFa-ll3u5T244wH7/view?usp=sharing https://docs.google.com/presentation/d/1FRAsRoSyIn-BOr3MOKd5Zqc7rhGixS-o/edit?usp=sharing&ouid=101446102972332074471&rtpof=true&sd=true
Maximum Flow and maximum Bipartite Matching	26.1-26.3	7	16	7.2-7.3	10.2-10.4	6.5	https://drive.google.com/file/d/1mF-g3ultcPA10JZgWoMDr5ptPb7BofQ4/view?usp=sharing , https://drive.google.com/file/d/1Tjtis_M-8XICPUcyFX8je8_T_skdKse7/view?usp=sharing , https://drive.google.com/file/d/10Ku9iNBMtr6TBxE2UCYtLO75K1l6JSWq/view?usp=sharing , https://drive.google.com/file/d/1eCOpl84Qw_ATlrX2pPe6_n-PEdHFF_d0/view?usp=sharing , https://drive.google.com/file/d/1BqKcsAffndDpVmCcckLEfkwR7xQ19M4b/view?usp=sharing , https://docs.google.com/document/d/1ZhlAzJOILxf-J_Ag0Q63MMxSHHcpA05zJc0xbWwwBA/edit?usp=sharing

Binomial Heap	Binomial Heaps						https://docs.google.com/presentation/d/1M2ntFDS041VvGFeS8-OXonMawrGrbFhn/edit?usp=sharing&oid=101446102972332074471&rtpof=true&sd=true , https://drive.google.com/file/d/1fSU0SC89rmQYmeJ47t4lJulWJbtW-IKW/view?usp=sharing , https://drive.google.com/file/d/137zIN7zZUh-qZ59rxK-ZLLfiKBH3u7IN/view?usp=sharing
Fibonacci Heap	19						https://docs.google.com/presentation/d/1gOMHbkoLKMY5eJpR_Dk4zqJYSZYaNTQA/edit?usp=sharing&oid=101446102972332074471&rtpof=true&sd=true , https://drive.google.com/file/d/1tlvt9Y74BcnvgRBgX9krpY14zRqdDprT/view?usp=sharing
Hashing	11		6		7.3	3.7	
AVL			4.1-4.3		6.3		https://docs.google.com/presentation/d/1Z_9GBhgtx5sRBRnitSd8dALEwmNps1le/edit?usp=sharing&oid=101446102972332074471&rtpof=true&sd=true
RBT	13						https://docs.google.com/presentation/d/1PqRZo0ootzh6nAZwqvzjiWTgARhSZfDC/edit?usp=sharing&oid=101482282113009854368&rtpof=true&sd=true
P, NP, NP-completeness	34	8	17	8	11.3	9	https://docs.google.com/presentation/d/19X-GIGP1hHL8_tSMes5MZIGSKk7y6ruta/edit?usp=sharing&oid=101446102972332074471&rtpof=true&sd=true
Approximation Algorithms	35	11	18	9	12	9	https://docs.google.com/presentation/d/1hbXqn23yXTBfoXqw21p_FiRCf6eMySuQ/edit?usp=sharing&oid=101446102972332074471&rtpof=true&sd=true