

Course Name	Multimedia
References	<ol style="list-style-type: none"> 1. Y. Darmani, Multimedia Systems and Networks, Voice and Video over the Internet, KNTU Pub, 2020. 2. J. Kurose, K. Ross, “Computer Networking: A Top-Down Approach” Pearson, Seventh Edition, 2016. 3. P. A. Gagniuc, “Markov Chains: From Theory to Implementation and Experimentation”, Wiley, First Edition, 2017. 4. Y. Darmani, M. Sangelaji, "Qos-enabled TCP for Software Defined Networks: A Combined Scheduler-per-node Approach" The Journal of Supercomputing, Vol. 75, pp. 6260-6276, Oct 2019. 5. M. Karakus, A. Durrezi, “Quality of Service in Software Defined Networking (SDN): A survey”, Journal of Network and Computer Applications, Vol. 80, pp. 200-218, Feb. 2017
Course instructor	Dr. Mohammad Yousef Darmani
Syllabus	<ol style="list-style-type: none"> 1. VOIP and its related problems 2. Soft switch vs. Hard switch 3. CODEC, PCM, Companding, Multiplexing 4. CAS, CCS, SDL 5. Traffic theory 6. ADPCM, DFT, TC, LPC, CELP 7. Picture and JPEG 8. IP, UDP, TCP, RTP, RTCP 9. Network QoS, Loss 10. Reservation, IntServ, DiffServ 11. Queue concept in a router 12. Gateways 13. SIP and VOIP protocols 14. Software-Defined Network