

UNIVERSITY OF SOUTHERN CALIFORNIA

COMPUTER ENGINEERING

SCREENING EXAMINATION

ELECTIVE COURSE NO: **EE 549**

## **QUEUEING THEORY**

### SUGGESTED READING

1. "Introduction to Probability models" by Sheldon Ross  
(Queueing sections and Markov chains)
2. Chapter 3 of "Data Networks" by Bertsekas and Gallager  
(M/G/1 systems, Little's Law)
3. "Queueing Systems, Vol. I, Theory", Kleinrock, Chapters 1-5.
4. "Fundamentals of Queueing Theory", Gross & Harris, Wiley  
1998
5. Supplementary Lecture notes on sample path analysis of  
queues (what goes out is no more than what went in), and  
leaky-bucket analysis, on website:

<http://www-rcf.usc.edu/~mjneely/ee549/>

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Please be aware that these references are for guidance in BASIC  
knowledge. Ph.D. candidates are screened on the basis of talent, course  
knowledge, independent reading and experience.

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