Topics Covered

1. empirical distributions, the Kolmogorov-Smirnov statistic; see statistics books
2. Glivenko-Cantelli theorem; §5.5 of Chung.
3. empirical process; Wikipedia
4. Brownian bridge
7. Kiefer process; see Appendix of IS paper
8. sequential empirical process
9. Applications to infinite-server (IS) queues with general service-time cdf’s; the IS paper
10. Representation for the two-parameter queue-length processes $Q_n^r(t, y)$ and $Q_n^e(t, y)$; §2 of IS paper.
11. Guodong’s seminar on Friday.