

PRINCETON UNIVERSITY

Fall 2013

ELE 525: Homework #6

Assigned: Wednesday November 13, 2013

Due: Monday November 25, 2013

- 1 . Textbook, p. 420, Problem 14.3. Superposition of Poisson processes.
2. p. 421, Problem 14.7. Derivation of the Poisson distribution. Note: Change (3.77) to **(14.13)** in the first sentence of the problem.
3. p. 421, Problem 14.10 Time-dependent solution.
4. p. 452, Problem 15.2. State probabilities.
5. p. 454, Problem 15.9. First-passage time matrix