

# Advanced Analysis of Algorithms

K. Subramani, LCSEE, West Virginia University

October 29, 2013

1. Dijkstra's algorithm from Cormen. Cover relaxation and all the associated properties.
2. First introduce  $d[v]$  and  $\delta(v)$ .
3. Go through the proof of Dijkstra and analysis.
4. The MST problem.
5. Prim's algorithm.