Topics for presentations, EEE8068, 2012/2013 Presentation date – weeks starting 22 and 29 April 2013

Scheduling anomalies is it possible to make the things worse by improving computing resources? Idea, case study, generalisation (what causes this effect). 1.
Aperiodic EDF optimality 1. 2.
Aperiodic EDF complexity np-complete complexity of non-preemptive EDF 1. 2.
Aperiodic non-preemptive EDF Bratley's algorithm 1. 2.
Aperiodic non-preemptive EDF the Spring algorithm 1. 2.
EDF with precedence constraints optimality and case study 1. 2.
Periodic RM scheduler upper bound of processor utilisation (hyperbolic bound) and examples 1. 2.
Priority inheritance protocol schedulability and examples 1. 2.
Priority ceiling protocol schedulability and examples 1. 2.
Handling overload conditions overview only 1.