

## EPL606 – Fall 2016

### Final Exam Reading List

TOPIC	BOOK SECTIONS	READINGS	SLIDES
<b>Introduction</b> Network Architecture Principles	KR – Ch 1 PD – Ch 1	<ul style="list-style-type: none"> <li>• The Design Philosophy of the DARPA Internet Protocols</li> <li>• Future Internet Architecture</li> <li>• End-to-end Arguments in System Design</li> </ul>	Topic 1a Topic 1b
<b>Internetworking</b> Addressing, Forwarding, Switching	KR – Ch 5 PD – Ch3	<ul style="list-style-type: none"> <li>• Buffer Sizing</li> <li>• Lookup Algorithm Taxonomy</li> </ul>	Topic 2a
Routing	KR – Ch4 PD – Ch4	<ul style="list-style-type: none"> <li>• Mobility First</li> <li>• Fast intradomain routing convergence</li> <li>• BGP Policies in ISP Networks</li> </ul>	Topic 2b
Scaling	KR – Ch4 PD – Ch4	<ul style="list-style-type: none"> <li>• OpenFlow A Radical New Idea in Networking</li> <li>• Information-Centric Networking</li> <li>• Survey of Naming and Routing in ICN</li> </ul>	Topic 2c
Transport	KR – Ch3 PD – Ch5, 6	<ul style="list-style-type: none"> <li>• "FASTER"</li> <li>• A Compound TCP Approach for High-speed and Long Distance Networks</li> <li>• Bufferbloat: Dark Buffers in the Internet,</li> <li>• Let's make TCP Faster</li> <li>• DCCP</li> <li>• Rate Control Protocol</li> </ul>	Topic 3
VoIP Basics and Skype			Topic 4a Topic 4b
Multimedia Networking	KR – Ch7		Topic 5a Topic 5b
QoS and Traffic Classification			Topic 6 Traffic Analysis and Modelling
Queuing Theory and Performance Evaluation			Queuing Theory Performance Evaluation