Course:					Cou
 Week 1 Date: Topics & Notes Administrative stuff Introduction to KRW conjecture KW relations and connections to communication complexity Best known gap for the conjecture Open problems and frontiers Office hours Basic communication complexity and information theory 	ThreeBasic	Date: otes pplification: Universal relation e weakening's of the conjecture es of the adversarial argument problems		Date: otes conjecture for composition of rsal relations	Week Topic
 Week 5 Date: Topics & Notes Equivalent of KRW conjecture for composition of a function with universal relation 	via K	Date: otes ng the cubic formula lower bound RW conjecture : function osed with parity case	• Mono	Date: otes otone KW relation otone KW relation based circuit bounds	Weel Topio

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ek 4	Date:	
ics & Notes		
 Multiplexer Universality KRW conjet 	y of multiplexe	er relation for
ek 8	Date:	
ics & Notes		
Monotone I	KRW conjectu	re via lifting

Week 9 Date:	Week 10 Date:
Topics & Notes	Topics & Notes
• Semi monotone composition	Concluding remarksImportant frontiers

Instructor Presentations (Preparations):	How will you relate this week's work to the previous week?		Required Readings:	Notes:
	How will you	u prepare students for next week?		
Presentation Technology Requirements: (PowerPoint, video, overheads, synchronous or asynchronous communication tools, etc.)	Student Assessment: (How will this week's work be assessed?)		Assignment/Project Activity:	
Weekly Course Planning Template			- <u>-</u>	
Course Name:	Week:	Date:	Instructor:	
Topics Covered:	Learning Objectives: 1. 2. 3.		Student Time Budget: Ho Attend lecture or tutorial Image: Student Project class event Attend lab or other class event Image: Student Project ProjecProject Project Project Project Project Pro	
	4. 5. 6. 7.			