2018 Houston Summer School on Dynamical Systems – Schedule of lectures

All lectures in PGH 232; review sessions and projects in SEC 204-206

Week 1

	Monday May 14	Tuesday May 15	Wednesday May 16	Thursday May 17	Friday May 18
	9-9:30 Coffee			9-9:30 Coffee	
9:30-10:30	Preparatory review sessions for undergraduates in SEC 206		**Ergodic** *Furno*	**Homogeneous** *Lim*	**Ergodic** *Haynes*
			10:30-10:45 Break		
10:45-11:45			**Homogeneous** *Lim*	**Ergodic** *Haynes*	**Homogeneous** *Lim*
			11:45-1:15 Lunch		
1:15-2:15			**Hyperbolic** *Ott*	**Thermodynamic** *Climenhaga*	**Hyperbolic** *Török*
			2:15-2:30 Break		
2:30-4			Review sessions, group projects		

Week 2

	Monday May 21	Tuesday May 22	Wednesday May 23	Thursday May 24
			9-9:30 Coffee	
9:30-10:30	**Homogeneous** *Lim*	**Quantum** *Vershynina*	**Thermodynamic** *Climenhaga*	**Quantum** *Vershynina*
			10:30-10:45 Break	
10:45-11:45	**Quantum** *Vershynina*	**Hyperbolic** *Nicol*	**Quantum** *Vershynina*	**Hyperbolic** *Nicol*
			11:45-1:15 Lunch	
1:15-2:15	**Spectral** *Damanik*	**Spectral** *Damanik*	**Spectral** *Damanik*	**Spectral** *Damanik*
			2:15-2:30 Break	
2:30-4			Review sessions, group projects	

Course and lecture abbreviations

Ergodic	Basics of ergodic theory	*Joanna Furno, Alan Haynes*
Hyperbolic	Statistical properties in hyperbolic dynamics	*Matt Nicol, Will Ott, Andrew Török*
Thermodynamic	Statistical mechanics and thermodynamic formalism	*Vaughn Climenhaga*
Quantum	Dynamics of quantum spin systems	*Anna Vershynina*
Spectral	Dynamical approaches to the spectral theory of operators	*David Damanik*
Homogeneous	Dynamics on homogeneous spaces, with applications to number theory	*Seonhee Lim*