

Schedule: MSRI Gauge Theory Summer School

July 5-16, 2021

Breaks are dispersed between each scheduled event. During these times you can chat with others in the common spaces, but feel free to take a break when you need to based on your current time zone (especially for meals and snacks).

All times are listed in the Pacific time zone.

Week 1

	9:00-10:15am Lecture 1	10:45-12:00pm Lecture 2	1:00-2:15pm	2:45-4:00pm
Mon	4-manifold intro (Laura Starkston)	Principle bundles (Boyu Zhang)	Problem Session YM:1,2,3,4,5,6 4-mfd:7,8,9,10,11	Problem Session 4-mfd:1,2,3,4,5,6 YM:7,8,9,10,11
Tue	Functional analysis (Francesco Lin)	Riemann surfaces (Lynn Heller)	Problem Session SW:1,2,3,4, 9 HM:5,6,7,8,10,11	Problem Session HM:1,2,3,4, 9 SW:5,6,7,8,10,11
Wed	Yang-Mills 1 (Boyu Zhang)	Seiberg-Witten 1 (Francesco Lin)	Problem Session YM:1,2,3,4, 9 SW:5,6,7,8,10,11	Problem Session SW:1,2,3,4, 9 YM:5,6,7,8,10,11
Thu	Yang-Mills 2 (Boyu Zhang)	Seiberg-Witten 2 (Francesco Lin)	Free afternoon	
Fri	Yang-Mills 3 (Boyu Zhang)	Seiberg-Witten 3 (Francesco Lin)	Problem Session YM:1,2,3,4,5,6 SW:7,8,9,10,11	Problem Session SW:1,2,3,4,5,6 YM:7,8,9,10,11

Week 2

	9:00-10:15am Lecture 1	10:45-12:00pm Lecture 2	1:00-2:15pm	2:45-4:00pm
Mon	Yang-Mills 4 (Boyu Zhang)	Seiberg-Witten 4 (Francesco Lin)	Q and A Session	
Tue	Harmonic maps 1 (Lynn Heller)	Constructions 1 (Laura Starkston)	Problem Session HM:1,2,3,4,5,6 4-mfd:7,8,9,10,11	Problem Session 4-mfd:1,2,3,4,5,6 HM:7,8,9,10,11
Wed	Harmonic maps 2 (Lynn Heller)	Constructions 2 (Laura Starkston)	Problem Session HM:1,2,3,4,5,6 4-mfd:7,8,9,10,11	Problem Session 4-mfd:1,2,3,4,5,6 HM:7,8,9,10,11
Thu	Harmonic maps 3 (Lynn Heller)	Constructions 3 (Laura Starkston)	Problem Session HM:1,2,3,4,5,6 4-mfd:7,8,9,10,11	Problem Session 4-mfd:1,2,3,4,5,6 HM:7,8,9,10,11
Fri	Harmonic maps 4 (Lynn Heller)	Constructions 4 (Laura Starkston)	Q and A wrap up	