

Topics of the Class

1 Scribing Schedule

Lecture	Date	Topic	Scriber
Lec 3	April 4	Introduction to 2-manifolds	Xiaoyin
Lec 4	April 6	Universal cover, fundamental groups of surfaces	Pawas
Lec 5	April 11	Simplicial Complex	Lei
Lec 6	April 13	Introduction to Homology	Marc
Lec 7	April 18	Homology: Matrix View	Qichao
Lec 8	April 20	Introduction to persistence homology	Fengtao
Lec 9	April 25	Persistence homology: computation	Dong
Lec 10	April 27	Introduction to Morse functions	Brian
Lec 11	May 2	Persistence induced by a function	Chuanjiang
Lec 12	May 4	More on persistence: extended persistence, stability	
Lec 13	May 9	Morse-Smale decomposition	Andrew
Lec 14	May 11	Introduction to Reeb graph and contour tree	Abhisek
Lec 15	May 16	Computation of Reeb graphs	Jack
Lec 16 +		Advanced topics in applications	Do not sign up