Short Course Advanced Algebraic Topology



Barbu Berceanu

October 30- November 23, 2017



In this short intensive course, we will cover the following topics Simplicial complex, homology, Betti numbers, torsion, Homotopical invariance, Excision, Eilenberg-Steenrod's axioms, Mayer-Vietoris sequence, Kunneth Theorem, CW-complexes, cellular homology, Cohomology, products, Poincare duality, Steenrod algebra. We will discuss these topics in details along with their examples and applications.

Schedule:The course will comprise on 12 lectures (each of 2 hours duration). There will be three lectures per week on Monday (14:00-16:00), Wednesday (14:00-16:00) and Thursday (11:00-13:00). The course will be starting from October 30, 2017.

Who can attend:There is no registration fee for this course but we are restricted to limited number of participants. Undergraduate students and graduate students are encouraged to attend this course. For registration, contact imrananwar@sms.edu.pk.

Abdus Salam School of Mathematical Sciences,

68-B New Muslim Town, Lahore