LECTURES ON RINGS, MODULES AND ALGEBRAS

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APRIL 22, FRIDAY

ARTINIAN RINGS
(10:00-12:00)
* Finite length modules
* Hopkins-Levitzki Theorem
* Injective and projective modules
* Global dimension of a ring
* Wedderburn-Artin Theorem

GROUP RINGS
(14:00-15:30)
* Semigroup rings
* Maschke's Theorem
* Blocks of a group ring of a finite group
* Injectivity of group rings

APRIL 25, MONDAY

QUASI-FROBENIUS RINGS
(13:30-15:45)
* Basic idempotents and Morita equivalence of rings
* Kasch and quasi-Frobenius rings
* Nakayama permutation
* Finite dimensional Frobenius algebras

PLACE: Seminar Room, Department of Mathematics

Organizers: Engin Büyükaşık
Sinem Benli-Göral