

# LIST OF SNSB COURSES 2010-2011

## PRELIMINARY CYCLE

### 1<sup>st</sup> SEMESTER

- Liviu Ignat (IMAR)  
*Numerical Methods for Partial Differential Equations*
- Victor Vuletescu (U. Bucharest)  
*Introduction to Algebraic Topology and Sheaf Theory*

### 2<sup>nd</sup> SEMESTER

- Serban Basarab (IMAR)  
*Introduction to Combinatorial Group Theory*
- Alexandru Popa (IMAR)  
*Representation Theory of Lie Algebras*

## MASTER

### 1<sup>st</sup> SEMESTER

- Mugurel Barcau (IMAR) and Vicentiu Pasol (IMAR)  
*The Arithmetic of Dynamical Systems*
- Lucian Beznea (IMAR)  
*An Introduction to the Measure-Valued Markov Processes*
- Philippe Gille (ENS Paris)  
*Quadratic Forms and Simple Central Algebras*
- Bogdan Ichim (IMAR)  
*Computer Algebra*
- Laurentiu Leustean (IMAR)  
*Ergodic Ramsey Theory*
- Nicolae Manolache (IMAR)  
*Introduction to Invariants and Moduli.I*
- Aaron Michael Silberstein (Harvard U.) and Alexandru Popa (IMAR)  
*Curves and their Jacobians*

### 2<sup>nd</sup> SEMESTER

- Toma Albu (IMAR)  
*Topics in Galois and CoGalois Theory*
- Ingrid Beltita (IMAR)  
*Inverse Scattering Problems for the Schroedinger Equation on the Line*
- Nicolae Manolache (IMAR)  
*Introduction to Invariants and Moduli.II*
- Daniel Matei (IMAR)  
*Topology of Manifolds*
- Liviu Ornea (U. Bucharest)  
*Introduction to Complex Differential Geometry*
- Nicolae Popa (IMAR)  
*Banach Spaces of Analytic Functions*
- Vicentiu Radulescu (U. Craiova)  
*Applied Functional Analysis and Partial Differential Equations*