

Course on  
**CONTROL AND OPTIMAL CONTROL**  
Z. Artstein

Fall Semester 2011, 2 points credit  
Regular hours: Wednesdays, 9.00 a.m. - 11.00 a.m.  
Additional hours: Sundays, 10.00 a.m. - 11.00 a.m.  
(the additional hours are for supplementary material)  
FGS, Room A  
First meeting: Wednesday, November 2

The course covers basic mathematical ideas and tools developed within Control Theory; the issue is to determine the behavior of a process by manipulating prescribed parameters, called control variables. When the goal is to optimize a given criterion one faces an Optimal Control problem. Both continuous time and discrete time analysis and the interplay between the two will be examined. The subject matter is mathematics; the motivation stems from natural and man made processes.