

## **Homework # 3**

1. Prob. 1 on P. 115 of the “Reading material on models of interacting populations”.
2. Write the predator-prey type equations for a system of two predators and two prey in which the prey do not compete with each other but both predator species eat both prey species. Assuming both the prey have finite carrying capacities but predators do not.
3. Prob. 5 on P. 116 of the “Reading material on models of interacting populations”.

## **Additional Problems for AMATH 523**

4. Prob. 7 on P. 117 of the “Reading material on models of interacting populations”.