1. **Course number and name**: CSCI 5532 Network Management Systems

2. **Credits and contact hours**: 3 credit, 3 contact

3. **Instructor’s or course coordinator’s name**: Wenjia Li, PhD

   Mani Subramanian, 2000
   
   a. **Other supplemental materials**: None

5. **Specific course information**
   a. **Brief description of the content of the course (Catalog Description)**
      Basic concepts of network management systems, including fundamentals of standards, models, languages, network management systems architectures and protocols. SNMP based protocols that manage TCP/IP networks. Broadband network management systems and Web-based network management systems tools and applications.
      
      **Prerequisites**: A minimum grade of “C” in CSCI 5332
   b. **Indicate whether a required, elective, or selected elective course in the program**
      Elective course for BS-CS.

6. **Specific goals for the course**
   a. **Specific outcomes of instruction, ex. The student will be able to explain the significance of current research about a particular topic.**
      ● Not a required course. It is not used to assess student outcomes.

   b. **Student Outcome**
      s N/A

7. **Brief list of topics to be covered**
   ● Data communications and Network Management overview
   ● Basic Foundations: Standards, Models, and Languages
   ● SNMPv1 Network Management: Organization and Information Models
   ● SNMPv1 Network Management: Communication and Functional Models
   ● Network Management Tools, Systems, Engineering
   ● Broadband Network Management: WAN