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

   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 Outcomes*
      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