**CSCE 594 – Strategic Management of Information Systems**
- **Credit Hours:** 3 hours
- **Contact Hours:** 3 lecture hours
- **Instructor:** Dr. Matt Thatcher
- **Required Textbooks:** Keri E. Pearlson, Carol S. Saunders, and Dennis F. Galletta, *Managing and Using Information Systems: A Strategic Approach* (6th Edition), John Wiley & Sons, 2016.
- **Bulletin Description:** Strategic Management and use of information systems in organizations.
- **Cross-Listed**: MGSC 594
- **Prerequisites:** None.
- **Required Course** in CIS and **Selected Elective** in CE, CS
- **Course Outcomes:** Students will be able to:
    1. Articulate the relationship among business strategy, organizational strategy, and IS strategy
    2. Demonstrate how information resources can be used strategically
    3. Evaluate the business value of IS
    4. Identify ways in which IS impacts the nature and design of work
    5. Explain why organizations outsource some or all IS activities
    6. Recognize how the IS function is governed in organizations
    7. Identify how organizations use IS to manage business processes
    8. Identify different professional career paths in computing and the lifelong learning involved
    9. Evaluate and analyze a business IS case
- **Student Outcomes addressed by course**

| Program | Student Outcomes Addressed |
|---|---|
| Computer Engineering | 3 |
| Computer Information Systems | 3, 6 |
| Computer Science | 3 |

- **Topics covered**
    1. Strategic use of IS resources
    2. Business value of IS
    3. Organizational impacts of IS
    4. IS and the design of work
    5. IS and business process management
    6. IS sourcing
    7. IS governance
    8. IS project management
    9. Business intelligence.