

# **CSCI402: Operating Systems**

## **Course Coordinator**

Michael Crowley

## **Other instructors for course**

None

## **Textbooks and other required materials**

*Operating System: A Concept Based Approach*, McGraw-Hill College  
By D. Dhamdhere

## **Major Topics**

1. Processes and threads
2. Thread synchronization (Locks, Condition Variables, Monitors, Semaphores)
3. Deadlock
4. System Calls
5. Memory Management
6. Virtual Memory
7. Remote Procedure Calls
8. Distributed System Software/Coordination