

## Learning Guide Unit 3

**Overview**

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**Unit 3: Concurrency**

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**Topics:**

- Process Synchronization (Critical Section, Semaphores and Mutex)
  - Deadlocks (Deadlock Prevention and Avoidance techniques)
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**Learning Outcomes:**

By the end of this Unit, you will be able to:

- Explain process synchronization and its techniques.
  - Discuss deadlock prevention and avoidance methods.
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**Tasks:**

- Read through the Learning Guide and the Reading Assignment.
- Complete the Discussion Assignment by posting in the Discussion Forum.
- Respond to at least two of your fellow classmates' posts in the Discussion Forum.
- Complete and submit the Assignment Activity.
- Take and submit the Self-Quiz.
- Take and submit the Graded Quiz.