

Course

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This course has already ended.
The latest instance of the course can be found at: [Concurrent Programming: 2023](#)

« 5 Feedback Course materials 1 Blocking monitor -- Low-level concurrency and synchronization »

CS-E4110 / Round 3 - Synchronization primitives

Monday, 8 November 2021, 03:00 – Monday, 22 November 2021, 14:00
Late submissions are allowed until Monday, 29 November 2021, 14:00. However, points are only worth 70%.

This round presents semaphores and monitors. It is also studied, what the Scala (JVM) memory model is and what it guarantees.

- 1 Blocking monitor -- Low-level concurrency and synchronization
- 2 Semaphore -- A mechanism to solve critical section problems and achieve synchronization.
- 3 Semaphore Blocking Queue -- Concurrent data structures based on low-level concurrency mechanisms.
- 4 Scala (JVM) Memory model and Data Races.
- 5 Feedback