

Semaphore.h

```
graph TD; A[Semaphore.h] --> B[mutex]; A --> C[condition_variable];
```

A diagram illustrating the relationship between the `Semaphore.h` header and two synchronization primitives. At the top, a gray rectangular box contains the text `Semaphore.h`. Two dark blue arrows originate from the bottom edge of this box. The left arrow points to a white rectangular box containing the text `mutex`. The right arrow points to a white rectangular box containing the text `condition_variable`. Both boxes at the bottom have a thin gray border.

`mutex`

`condition_variable`