## University of Mosul College of Engineering Computer Engineering Dept.

## **Advanced Computer Architecture /MSc Course**

Article	Week
1. Parallel Computer Models	1
2. Multiprocessor Interconnection Networks	2
3. Performance Analysis of Multiprocessor Architectures	1
4. Shared Memory Architecture	2
5.Cache Coherency	1
6. Message Passing Architecture	1
7. Abstract Models	2
8. Parallel Programming	1
9. Multiprocessor Models	2
10. Multicore and GPU	2

## Reference Book

- 1-"Advanced Computer Architecture and Parallel Processing" by Hesham EL-Rewini and Mostafa Abd-El-Barr
- 2- "Advanced Computer Architecture Parallelism, Scalability, Programability" 2<sup>nd</sup> Edition by Kai Hwang