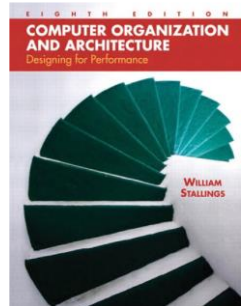


BLM0220 Bilgisayar Mimarisi

- **Ders Kitabı**

- **Computer Organization and Architecture**, 8th ed.
by William Stallings, Printice Hall



- **Yardımcı Kaynak**

- **Computer Architecture: a Quantitative Approach**
5/e, Patterson, D.A., Hennessy, J.L., Morgan
Kaufmann

- **Konular**

- Basic Concepts and Computer Evolution
- Performance Issues
- Computer Function and Interconnection
- Cache Memory
- Internal Memory
- External Memory
- Input/Output
- Operating System Support
- Number Systems
- Instruction Sets: Characteristics and Functions
- Instruction Sets: Addressing Modes and Formats
- Processor Structure and Function
- Reduced Instruction Set Computers (RISC)
- Instruction-Level Parallelism and Superscalar Processors
- Parallel Processing
- Multicore Computers
- General-Purpose Graphic Processing Units

- **Başarı Notu**

- **Vize (%30)**
- **Final (%50)**
- **Lab & Ödev & Proje (%20)**