ECE 571 - DMA Controller Scope Documentation

Can Omits:

Memory/Memory transfers.

Verify mode.

Auto-initialize.

Software-initiated transfers.

Wait states (can omit in the beginning, implement later).

Supports:

Only block transfer mode

I/O to memory and memory to I/O mode

Fixed and rotating priority

Modules:

DMA Controller

Timing and control

Priority / rotating priority encoder

Incrementor / Decrementor

Command Control

Read/write buffer