

## Lab 1 – Getting Started

The purpose of this lab is to learn how to use the assembler, linker, and emulator for this course:

- modified version of the GNU assembler, as
- modified version of the GNU linker/loader, ld
- the M68000 emulator, BDB

In order to complete this lab, you will need the Course Notes document which can be purchased from the College Bookstore.

You will also need to be familiar with these Windows tools:

- the DOS emulation and command-line statements
- the DOS EDIT program for editing source files (it's not particularly recommended, but you can usually use Notepad as well; however, EDIT is much better for this course)
- Wordpad for displaying some of the file types.

You won't be using the Windows GUI much for this course, due to the nature of the BDB emulator. You are going to follow the BDB familiarization process from pages 7 to 23 (and yes, pages 8 to 12 are not there) of the Course Notes.

Note: the Course Notes document needs a correction. On page 20 in both sections 13 and 14, the number 0x3000 should be 0x2000. On page 21, section 16, is the same. On page 22, section 20 paragraph 3, 0x3400 should be 0x2400 (the base address of 0x2000 plus 1024 expressed in hex, 0x0400).