**ECE 2504: Introduction to Computer Engineering, SPRING 2015**

**Design Project 2: Design and Implementation of an Arithmetic Logic Unit on the DE0 Nano board**

Student Name:

Honor Code Pledge: I have neither given nor received unauthorized assistance on this assignment.

**Grading: The design project will be graded on a 100 point basis, as shown below:**

Manner of Presentation (30 points)

Completed Cover Sheet (5 points)

Organization: Clear, concise presentation of content; Use of appropriate, well-organized sections (15 points)

Mechanics: Spelling and Grammar (10 points)

Technical Merit (70 points)

Design Procedure Discussion (5 points)

Implementation Discussion: Choice of methods for implementing operations, opcode binary assignments, and values displayed on LEDs. (20 points)

Supporting Figures: Table of opcode assignments for each operation, Truth Tables, Karnaugh maps, Circuit Diagrams, etc. (15 points)

Simulation Results (15 points)

Validation Sheet (15 points)

**Project Grade**