**ECE 2504: Introduction to Computer Engineering**

**Design Project 1: Design and Implementation of Combinational Circuits**

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 (10 points)

Implementation Discussion: Choice of segments and reasons for choosing them. (5 points)

Supporting Figures: Truth Tables, Karnaugh maps, Circuit and Chip Layout Diagrams, etc.  
(15 points)

Simulation Results (15 points)

Validation Sheet (25 points)

**Extra Credit**: Correctly implementing more than three working segments (up to 5 points)

**Project Grade**