<u>Guidelines for Submitting Assignment 3</u>

The following is a few examples on how to rewrite Boolean Algebra expressions into the text box on Brightspace.

For the NOT operation, we will use the (~) symbol

$\overline{A}+B$ can be rewritten as ~A+B

$\overline{A}\,B$ can be rewritten as ~AB

$\overline{A}\,\overline{B}$ can be rewritten as ~A~B

$\overline{\overline{A}+B}$ can be rewritten as ~(~A+B)

$C\overline{\left(\overline{A}+B\right)}$ can be rewritten as ~(~A+B)C

$\overline{\left(C+\overline{D}\right)\overline{\left(\overline{A}+B\right)}}$ can be rewritten as ~[~(~A+B)(C+~D)]

$\overline{\left(A+\overline{B}\right)\oplus\overline{\left(B\right)}}$ can be rewritten as ~[(A+~B) XOR (~B)] or as [(A+~B) XNOR (~B)]

$\overline{\left(C+\overline{D}\right)}\oplus\overline{\left(A\right)}$ can be rewritten as [~(C+~D) XOR (~A)]