UNCC, Department of Electrical and Computer Engineering ECGR 2181, Spring 2006, Lab #2, Due: 3/2/06, at the end of class (20 points)

Lab Partners:	and
Prelab:	
1. Write the truth table for the decoder (2 point)	
EN IO II Y3 Y2 Y1 Y0	
2. Write the circuit for 2 to 4 decoder. (3 point)	
In-class lab (3/2/06):	
Using the knowledge learned from class and the p schematic the 2 to 4 decoder. You will use sch synthesize the circuit, and download the function completed the exercise, show the TA your work	ematic capture to design the circuit, onality to the FPGA board. Once you have
NOTE: Use the labels above for the inputs, output	ts. Choose your own switches and LEDs.
Show the TA your schematic	
Show the TA your working FPGA board showing	the working decoder
Turn your board back in	