

CS 0447 Project 2 Rubric DRAFT

April 2015

1. Processor components*	33
a. Clock, program counter (must be visible in main circuit)	4
b. ROM, RAM (must be visible in main circuit)	4
c. Register file	5
d. ALU (support for arithmetic and logical operations)	5
e. Sign extender, shifters	4
f. Branch and jump controls.....	4
g. Control/decoder, including choice of control signals	4
h. LED displays and “halt” LED	3
<i>* Points are for both the <u>presence</u> of the necessary components as well as their <u>correctness</u>.</i>	
2. Instruction set functionality	57
a. Arithmetic and logical operations (and, nor, add, sub, addi, addui)	12
b. Memory operations (lw, sw).....	10
c. Shift operations (sll, srl, sllv, srlv)	10
d. Branch operations (bx, bz, bn, bp).....	10
e. Jump operations (jr, jal, j)	12
f. Output and halt operations (put, halt)	3
3. Documentation	10
a. README mentions what works and what doesn't	10