

1	Encode, decode, and manipulate bit representations of different types of data.							+	15
1a	Numbers		+				+		1
1b	Characters		+				+	/	0
1c	Machine instructions			+			+	-	0
2	Write programs in C, assembly language, or both at the same time.							O	0
2a	Operate on strings at the storage level.				+		+		A
2b	Use pointers, arrays, and address references.				+		+		
2c	Perform computations on registers and main memory.					+	+		
2d	Perform machine-level comparisons and jumps.					+	+		
3	Understand and perform computing tasks close to the system level.								
3a	Compile and link object code.						+		
3b	Follow and use calling conventions.						+		
3c	Invoke system calls.								
4	Follow academic and technical best practices throughout the course.								
4a	Write syntactically correct, functional code.				+	+	+	+	
4b	Use coding best practices, demonstrating principles such as DRY, proper separation of concerns, correct scoping of variables and functions, etc.				+	+	+	+	
4c	Write code that is easily understood by programmers other than yourself.				+	+	+	+	
4d	Use available resources and documentation to find required information.	+	+	+	+		+	+	
4e	Use version control effectively.	+			+	+	+	+	
4f	Meet all designated deadlines.	+	+	+	+	+	+	+	