

Proposed Reading Assignments for ESE 381 Spring 16

January 25, 2016 12:05 pm

Reading assignments on this list must be completed before the lecture on the specified date. This schedule will be updated as the semester progresses and the updated version will be titled simply “Reading Assignments.”

Table 1:

Date	Readings
Jan 26 (Tue)	<p>Lec. 1 Introduction. ATmega128 Data Sheet, pages 1 through 21.</p> <p>C Review Chapter 1: Introducing C (King). Chapter 2: C Fundamentals (King). or Chapter 1: Introduction (Kochan). Chapter 2: Some Fundamentals (Kochan). Chapter 3: Compiling and Running Your First Program (Kochan).</p> <p>No Laboratory</p>
Jan 28 (Thur)	<p>Lec. 2 Bit Manipulation Techniques in C. ATmega128 Data Sheet, pages 94 through 99 (skim pages 100 through 135).</p> <p>C Review Chapter 20: Low Level Programming (King). or Chapter 12: Operations on Bits (Kochan).</p>
Feb 2 (Tue)	<p>Lec. 3 Keypad Scanning Hardware and Assembler Software. Atmel Application Note AVR240: 4 x 4 Keypad - Wakeup on Keypress.</p> <p>C Review Chapter 14: The Preprocessor (King). Chapter 13: The Preprocessor (Kochan).</p> <p>Laboratory IDE Project Management and Building Guide, pages 61 through 80 (IAR). Module 0: ESE 381 Design Environment (laboratory description).</p>

Table 1:

Date	Readings
Feb 4 (Thur)	<p>Lec. 4 Keypad Scanning: C Version. Code Listing for keypad scanning C routines (in Module 1 folder).</p> <p>C Review Chapter 4: Expressions (King). or Chapter 4: Variables, Data Type, and Arithmetic Expressions (Kochan).</p>
Feb 9 (Tue)	<p>Lec. 5 C Language Conformance</p> <p>C Review Chapter 5: Selection Statements (King). or Chapter 6: Making Decisions (Kochan). Module 1: Keypad and LCD Display.</p> <p>Laboratory Module 1: Keypad and LCD Display.</p>
Feb 11 (Thur)	<p>Lec. 6 LCD Hardware.</p> <p>C Review Chapter 3: Formatted Input/Output (King). or Chapter 16: Input and Output Operations in C (Kochan)</p>
Feb 16 (Tue)	
Feb 18 (Thur)	
Feb 23 (Tue)	
Feb 25 (Thur)	
Mar 1 (Tue)	
Mar 3 (Thur)	
Mar 8 (Tue)	
Mar 10 (Thur)	
Mar 15 (Tue)	
Mar 17 (Thur)	
Mar 22 (Tue)	
Mar 24 (Thur)	
Mar 29 (Tue)	

Table 1:

Date	Readings
Mar 31 (Thur)	
Apr 5 (Tue)	
Apr 7 (Thur)	
Apr 12 (Tue)	
Apr 14 (Thur)	
Apr 19 (Tue)	
Apr 21 (Thur)	
Apr 26 (Tue)	
Apr 28 (Thur)	
May 3 (Tue)	
May 5 (Thur)	
May 16 (Mon)	