

!

Instructor	Prof. William R. Simpson
Office	NSF 186 and IARC 335, Office: 907 474-7235 Lab: 907 474-2436
Email	wrsimpson@alaska.edu
Class meeting	Monday, Wednesday, and Friday 10:30 - 11:30 AM, REIC 165 (if CDC COVID-

the book the lectures will be important for you to participate in classes. The Monday (typically) classes will review answers from the quizzes. These weekly quizzes are a very important part of the course as they will help you to stay current with and to understand the material of the course. The course also has a laboratory section to give experimental examples of the concepts you learn in class.

_____ : Your course grade will be based on the total points of the hour exams, the final exam, the quiz scores, reading questions, laboratory (see below), and possibly extra credit from reading questions (see below). Material assigned in readings, in lecture, in laboratory, or in homework problems may appear on an exam. The maximum number of points for each is given below:

Exercise	Points
Hour exams (100 points each)	300
Final exam	100
Quizzes (8 at 5 points each)	40
Weekly answer to in-class question (14*3pts = 42 pts, but two of these points will be extra credit)	40
Pre-class video questions	20
Laboratory	150
	650
Reading questions (10 of these XC points + 2 XC points from in-class questions)	+12

_____ The exams will be given during class and will be one hour in length. Exams will be in-person. If you are not in Fairbanks due to COVID, we will determine a proctoring method –

: \$%.30)*!%\$.30.!<\$&30-!/9\$!./(-\$0/L.!230/%3*7!.(29!)!.+2;0\$.7!!9)!.!03/!<\$0!)<*\$!/3!234 : *\$/\$!
/9\$!23(%.\$!-(%+0?!/9\$!%\$?(*)%!. \$4\$. /\$%5!!M\$?*+?\$02\$!3%!+0-+,\$%\$02\$!)%\$!03/!)22\$: /<*\$!%\$).30.!,3%!
)0!H8I!?)%)-\$5!

1 2 3 4 5 6 7 8!-#. #& 9 & '#0!>/(-\$0/!.!93(*-!;\$ \$:!(:!/3!-)/\$!30!/9\$!N0+#\$%.+&L.!:3*+2+\$7!:%)2/+2\$.7!
)0-!4)0-)/\$.!%\$*)/\$-!/3!JOP8QRST!<&!%\$?(*)%*&!29\$2;+0?!/9+.!1\$<./F!

[9//: .FGG.+/\\$.5?33?*5234G\)*. : \)5\\$-\(G23%30\)#+%\(.G\(\),G\(\),./\(-\\$0/.U\)\(/9\(. \\$%VW!](#)

E(%/9\$%7!./(-\$0/.)%\$!\$@: \$2/\$-!/3!)-9\$%\$!3!/9\$!(0+#\$%.+&L.!:3*+2+\$7!:%)2/+2\$.7!)0-!4)0-)/\$.!)0-!

_____ I will assign the video and reading (on the order of five pages) for the next class through the blackboard web system within a couple hours of completion of a class. Watching the video and doing this reading as preparation for the class is critical to being able to follow the material in the class and allows the lecture to reinforce your reading. During-class problems then further the learning, and the weekly quiz provides frequent checks. In preparation for most classes, I will ask (via Blackboard) a brief video question. There will be 30 of these questions, each graded as one point. Twenty of these points will count towards the normal point total, and up to 10 points will be extra credit to reward you for careful reading of the book. Therefore, I list 20 points as in the normal points and 10 points of extra credit for the total 30 points of reading questions.

_____ As a part of this course, we will carry out a set laboratory experiments that will help you to see experimental examples of the concepts you are learning in class. The laboratory experiments are graded on participation in the laboratory meeting (via Zoom during the normally scheduled time or in-person if possible), completion of pre- and post-lab work, and brief written laboratory reports assigned as a part of the post-lab work. Specific grading procedures are described in the first laboratory session and through a handout at that time.

_____ Tentative Grade Scale (If you get at least 90%, you are guaranteed an “A”. I may elect to set the grade cutoffs lower, but we will not set them higher.) I will not be using +/- grading.

<u>Grade</u>	<u>Percentage</u>
A	90 %

"\$ 9 9 .) ; ! * < ! = & - * \$) + & - F ! !

! "# \$ % & ' (a + * ! > + 4 : . 3 0 7 ! M > E ! S \ f 7 ! c g c R g ` h d 7 ! 1 % . + 4 : . 3 0 i) *) . ;) 5 \$ - (! !

* + , - . . /) 0 , 1) 2 " 3 , 4) ! * 3 ? ! + 0 / 3 ! / 9 \$! < *) 2 ; < 3) % - ! . & . / \$ 4 F ! > ## : - 0 ? ? + @ . -- & - A . @ . - B . A & % \$? ! j . & * *) < (. 7 !

.) 4 : * \$! \$ @ 4 . !) 0 - ! . 3 * (/ + 3 0 . 7 ! . 3 * (/ + 3 0 . ! / 3 !