

John E. Erdei

INTEGRATED NATURAL SCIENCE SEQUENCE (INSS)

SCI190

Fall 2010

Physics: Science Center 101B  
92318  
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Office of the Dean:

O'Reilly Hall 104A  
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Office Hours: Mon 9:00 am – 10:30 am  
Thrs 1:30 pm – 3:00 pm

Web Page: <http://campus.udayton.edu/~physics/jee/jee.htm>

Text: Hewitt, *Conceptual Physics*, 11<sup>th</sup> Ed.

INTRODUCTION

SCI190 is the first course in a sequence of three courses. These courses are integrated, which allows information from one course in the sequence to be used in another course. **FOR FULL DETAILS ABOUT THE INSS CONSULT THE SCI190 LINK IN THE WEBPAGE LISTED ABOVE.**

Grading

<i>Exam</i>	<i>Points</i>	<i>Exam</i>	<i>Points</i>
Test 1	50	Test 4	50
Test 2	50	Test 5	100
Test 3	50	Class Work	12
		<b>Total</b>	<b>312</b>

<i>Percentage of Total</i>	<i>Grade</i>	<i>Percentage of Total</i>	<i>Grade</i>	<i>Percentage of Total</i>	<i>Grade</i>	<i>Percentage of Total</i>	<i>Grade</i>
93%	A	87%	B+	77%	C+	60%	D
90%	A-	83%	B	73%	C		F
		80%	B-	70%	C-		

ALL EXAMS ARE CLOSED BOOK, WITH NO FORMULA SHEETS OR CALCULATORS

NOTE: ALL tests must be taken at the assigned time. **A make-up exam will be given at the end of the term for those with a LEGITIMATE WRITTEN MEDICAL EXCUSE.** Missed tests without such an excuse will be assigned a zero (going out of town and ride is not returning on time to take exam is not an acceptable excuse). Makeups are not given to replace a low score on one of the tests.

The exams are not returned to the students. They can be examined at any time in the instructor's office.

MAKEUPS: A day is set aside at the end of the term for ALL makeup exams. Those with a valid excuse must obtain a REQUEST FOR MAKEUP EXAM form from the instructor of the course. The form must be filled out and signed by the instructor. Students who have not filled out a request form will not be allowed to take a makeup exam. Unless otherwise stated in class, **ALL MAKEUP EXAMS ARE ON THE DATE LISTED ON THE CALENDAR AT 7:00 PM IN THE USUAL CLASSROOM.**

LAST EXAM: The last exam is administered during finals week. The time and date of the exam is listed on the calendar. **All students registered for this course are required to take the last exam at the time specified.** Students unable to take the last exam for a valid medical reason will be given an "I" and the exam will be made up at a later date. An exception is given to graduating seniors, who may have to take the exam early. This will be arranged by the instructor.

COURSE WEBSITE: There is a website associated with this course that can be accessed through the website of Dr. Erdei at <http://www.udayton.edu/~physics/jee/jee.htm>. To get to the course website, click on the SCI190 link (in blue) at the bottom of the page.

SPECIAL CONSIDERATIONS: Students with learning disabilities can be given extended time for exams or a private location for taking exams in accordance with state and federal law. **ALL STUDENTS REQUESTING SPECIAL CONSIDERATION ON EXAMS MUST PRESENT DOCUMENTATION from the Office of Learning Assistance to the course instructor at the beginning of the semester. Any special considerations for the location of the administration for the exam must be arranged with the instructor in advance.**

## Homework

## Hewitt, 11<sup>th</sup> Ed.

NOTE: Some sections in a given chapter will not be covered in class and will not appear on exams. *Review Questions* are labeled by topic in the chapter. Only those topics that have *Review Questions* assigned from them will appear on exams.

C1	Rev: 1,9,10,11,12,19 Ex: 7 Prob:	C17	Rev: Ex: Prob:
C2	Rev: 1,7,8,9,10,11 Ranking: 2 Ex: 1,7,9,11,12,15,20,27,28 Prob: 1,3	C14	Rev: Ex: Prob:
C3	Rev: 2,3,4,5,6,7,8,9,10,11,12,18,19,20,22,23,24,26 P&C: 4,8,10,12,14,17,20,22 Ex: 3,4,6,8,11,13,15,16,17,19,22,24,27,32 Prob: 1,2,3	C18	Rev: 7,8,9,10,11,26,27 Ex: 2,6,11,21,22,23,36,44 Prob: 1,2
C10	Rev: 3,5,6,7 Ex: 6,8,12,16,17 Prob: 4	C22	Rev: 3,4,10,18,19,20,24,27 Ex: 9,10,11,13,17,20,23,24,,30,31,41 Prob: 1,6,7,9
C4	Rev: 1,5,6,10,11,12,16,20,22,23,24,25,29,30,31,33 P&C: 2,5,7,9 Ex: 1,2,3,9,13,14,34,36,41,47 Prob: 3,4,5	C23	Rev: 4,15 Ex: Prob:
C9	Rev: 4,9 P&C: 1,2,3,4,5,6 Ex: 3,6 Prob:	C24	Rev: 3,7,12,13,14,19 Ex: 9,27,31,47 Prob:
C5	Rev: 4,5,10,11,12,14 P&C: Ex: 4,7,13,20,24 Prob: 1	C25	Rev: 2,4,5,8,21,22 Ex: 8,9,16,50 Prob:
C6	Rev: 2,4,6,12,16,18,20 P&C: 2,3,5,7 Ex: 1,2,3,4,5,14,15,16,18,23,24,26,27,28,34,43,44, 53,54,55 Prob: 6,7	C26	Rev: 1,2,3,4,5,7,8,9,10,11,12,13 Ex: 4,5,6,7,8,18,20,21 Prob: 1,3,4,5
C7	Rev: 3,4,5,7,8,10,11,14 P&C: 2,4,8,10,11,12,13,14 Ex: 1,9,11,15,24,25,28,29,33,42,55,56 Prob: 3	C11	Rev: 11,12 Ex: 27 Prob:
C19	Rev: 6,8,9,10,11,12,13,16,18,19 Ranking: 1,2 Ex: 13,15,16,17,18,19,24,25,26 Prob: 1,2,3,5	C31	Rev: 2,4,6 Ex: 4,8,30 Prob: 1
C20	Rev: 5,8,20,21,23,24 Ranking: 1 Ex: 5,6,9,17,19,20,24,33 Prob: 1,2,3,4	C32	Rev: 10,11,12 Ex: 8,10,11 Prob:
C15	Rev: 1,2,7,8,13,15,16,17,19,20 Ex: 5,8,26,28,32,39,44 Prob: 2	C30	Rev: 4,5,6,7,11,12,14 Ex: 3,5,10,16,19,44,47,51,52 Prob: 1
C16	Rev: 2,4,5,12 Ex: 6,15,39 Prob:		

### August

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
22	23	24	25 Classes Begin	26 C1	27	28
29	30	31 C1				

### September

			1	2 C2	3	4
5	6 Holiday	7 C3	8	9 C3	10	11
12	13	14 C10	15 W w/o Rec	16 T1 (1,2,3,10) C4	17	18
19	20	21 C4, C5	22	23 C9	24	25
26	27	28 C6	29	30 C6		

### October

					1	2
3	4	5 C7	6	7 No classes	8 No Classes	9
10	11	12 T2(4,5,6,7,9)C19	13	14 C19	15	16
17	18	19 C20	20 MidTerms	21 T3 (19,20) C15	22	23
24 31	25	26 C15	27	28 C16	29	30

### November

	1	2 C18	3	4 T4(15,16,18) C22	5	6
7	8 W w/ W	9 C22	10	11 C23	12	13
14	15	16 C24	17	18 C25	19	20
21	22	23 C25	24 No Classes	25 No Classes	26 No Classes	27
28	29	30 C26				

### December

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2 MAKEUPS C11,31,32	3	4
5	6	7 C30	8 No Classes	9 C30	10	11
12	13 Finals	14 Finals T5 - 2:30 - 4:20	15 Finals	16 Finals	17 Finals	18 Commencement