

# Physics 202 Summer 1999.

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## Contact Information

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**Text;** Physics for Scientists and Engineers, any edition.

### Course Policies

Four exams will be given. These exams are 50% cumulative. Under no circumstances will late exams or makeups be given. If you are going to miss a test for any reason, you must take an early exam. I will need 48 hours advanced notice of this to prepare the test.

The fourth exam is comprehensive and cumulative. Exams are given in the combined discussion section.

Attendance is mandatory, and late is absent. If you cannot attend all of the class meetings due to some external conflict, you should think about taking it at some later time when you can complete the minimum requirements.

Attendance in discussion section is mandatory. Several quizzes and drills will be given during each discussion section. The total quiz grade counts as much as one exam.

Lab counts as much as one exam. You must perform all labs in order to pass the course. This is another minimal requirement.

Homework will be given daily, collected at the beginning of lecture, and given a pass/fail grade by your TA. Homework handed in late will not be accepted. The total homework score counts as much as one exam.

Including lab there are 700 points in the course. For an A you must accumulate at least 616 (88%), for a B at least 532 (76%) and for a C 448 (64%). The minimum to pass the course with a D<sup>-</sup> is 350.

**Schedule.** There is an exam given in discussion section at the end of every two week period.

There are eight pre-lab simulations run using Live-Connect, a combination of Java and JavaScript, available at [http://www.uwp.edu/~jeff](#). These are designed so that you can take data from a Java simulation of the working lab apparatus, write up a report based on this data, and hopefully use it to prepare for or enrich your lab experience.

DATE	Lecture	Topic	Text	Exam	Lab
June 14	1	Waves I	16		
June 15	2	Sound	17		
June 16	3	Waves II	18		S1,S3
June 17	4	Waves III	18		S1,S3
June 21	5	Electric forces	23		E1
June 22	6	Electric field	23		E1
June 23	7	Potential	25		
June 24	8	Gauss law I	24	I	
June 28	9	Gauss law II	24		E2
June 29	10	Conductors	24		E2
June 30	11	Capacitance	26		E3
July 1	12	Resistance	27		E3
July 5	13	Dielectrics	26		Review
July 6	14	Kirchoff's laws	28		Review
July 7	15	Circuits	28		
July 8	16	Comprehensive Review	22-28	II	
July 12	17	Relativity	39		E6
July 13	18	Relativity II	39		E6
July 14	19	Magnetic field	29		E7
July 15	20	Ampere's law	30		E7
July 19	21	Faraday's law	31		E8 A,B
July 20	22	Faraday II	31		E8 A,B
July 21	23	RLC circuits	32		E9
July 22	24	AC circuits II	33		E9
July 26	25	Radiation	34	III	L8
July 27	26	Optics	35		L8
July 28	27	Snel's law	35		L2
July 29	28	Mirrors, lenses	36		L2
Aug 2	29	Young's exp.	37		L1
Aug 3	30	Interference	37		L1
Aug 4	31	Diffraction	38		
Aug 5	32	Mystery Lecture	?	IV	

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## Teaching Assistants

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