

Instructor:Office:Office Phone:Email Address:Office Hours: web page:Text: Physics 8th Ed. by Young& Geller (Vol 2) with Mastering Physics
Physics 202 Lab ManualOptional: Student Solutions Manual, Student Study GuideGrading:

4 Exams	60%
Final (Comprehensive)	20%
Laboratory	10%
Recitation	5%
Homework(Mastering Physics)	5%
	<hr/> 100%

You must achieve a 70% or better in the laboratory in order to pass the course.

If your grade on the Final Exam is higher than your lowest grade on one of the four exams during the semester, the grade on the Final will replace that one lowest exam grade in computing the course grade. The Final Exam grade **cannot** be used to replace an exam that has been missed.

Note: January 26 is the last day to drop with no record. April 6 is the last day to Q-drop

Final Exam: Monday, May 11, 3:30 - 5:30 p.m.

Syllabus: ("MC" denotes Multiple Choice Problems)

<u>Week</u>	<u>Date</u>	<u>Topic</u>	<u>Sections in Text</u>	<u>Problems</u>
1	Jan. 19 M Jan. 21 W	No Class Coulomb's law; electric field	17:1-6 17:7-9	MC17: 3, 4, 7, 8 17: 10, 12, 14, 21, 34, 41, 42, 43, 65, 71, 72
2	Jan. 26 M Jan. 28 W	Gauss' law; examples potential; capacitors	18:1-5	MC17: 9; 17: 53, 55, 57, 61, 64 MC18: 2, 4, 5, 11, 14 18: 1, 4, 12, 16, 22, 24, 38, 44, 75, 78, 81, 82
3	Feb. 2 M Feb. 4 W	capacitors; review Exam I	18:6-9 Chapts.17, 18	MC18: 3, 7; 18: 53, 54, 63, 64, 70, 71
4	Feb. 9 M Feb. 11 W	Ohm's law; resistor networks Kirchhoff's rules; RC circuits	19:1-5 19:6-8	MC19: 2, 3, 5, 6, 10, 13, 14, 15 19: 6, 18, 29, 31, 33, 42, 48, 50, 51, 52 19: 57, 59, 60, 72, 75, 85, 88
5	Feb. 16 M Feb. 18 W	magnetic forces sources of magnetic field	20:1-6 20:7-10	19: 66, 91; MC20: 2, 4, 7, 8, 11 20: 4, 8, 11, 14, 18, 20, 23, 29, 31, 34, 82
6	Feb. 23 M Feb. 25 W	Faraday's law; Lenz's law inductance	21:1-6 21:7-12	MC20: 6; 20: 50, 51, 53, 59, 64, 70, 86, 88 MC21: 2, 6, 10, 14, 15 21: 4, 7, 12, 13, 16, 17, 21, 25, 64

<u>Week</u>	<u>Date</u>	<u>Topic</u>	<u>Sections in Text</u>	<u>Problems</u>
7	Mar. 2 M Mar. 4 W	examples; review Exam II	Chapts. 19–21	MC21: 13; 21: 28, 29, 33, 37, 49, 54, 55, 62, 72
8	Mar. 9 M Mar. 11 W	ac circuits; resonance EM waves	22:1–5 23:1–8	MC22: 5, 6, 7, 14 22: 11, 12, 19, 25, 26, 27, 36, 41, 45, 46, 47
9	Mar. 23 M Mar. 25 W	polarization; mirrors refraction; thin lens	23:10; 24:1–3 24:4–6	MC23: 1, 2, 3, 8, 11, 12; 23: 14, 16, 21, 44 23: 47, 57, 59, 66, 67, 73, 74, 78, 84 MC24: 2, 3, 6, 9; 24: 3, 8, 14, 15, 18, 21, 22 24: 28, 29, 31, 33, 41, 45, 47, 52, 55, 56, 58, 59
10	Mar. 30 M Apr. 1 W	optical instruments Exam III	25:1–6 Chapts. 22–25	MC25: 9, 10, 15; 25: 9, 11, 20, 22, 30, 31, 34, 40
11	Apr. 6 M Apr. 8 W	interference diffraction	26:1–3 26:4–8	MC26: 2, 4, 8, 9, 10, 13 26: 4, 7, 9, 27, 28, 34, 44, 47, 48, 54 26: 55, 59, 63, 64, 68
12	Apr. 13 M Apr. 15 W	atoms and photons waves-particles; atoms	28:1–5 28:6–8	MC28: 1, 2, 3, 4, 5, 10, 13, 16 28: 3, 9, 11, 19, 21, 24, 27, 28, 35, 36 28: 41, 45, 49, 50, 55, 60
13	Apr. 20 M Apr. 22 W	atomic structure; review Exam IV	29:1–2 Chapts. 26, 28, 29	MC29: 1, 6, 8, 9, 10; 29: 2, 5, 6, 7, 13, 14, 31, 40
14	Apr. 27 M Apr. 29 W	nuclei; radioactivity nuclear reactions; review	30:1–4 30:5–7	MC30: 3, 8, 11, 12, 14, 15 30: 1, 3, 5, 10, 12, 15, 18, 20, 33, 39, 53, 64
15	May 4 M	examples; review		

Americans with Disabilities Act (ADA) Policy Statement:

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Department of Student Life, Services for Students with Disabilities, in Cain Hall, Room B118, or call 845-1637.

Academic Integrity Statement:

An Aggie does not lie, cheat, or steal or tolerate those who do.

The Honor Council Rules and Procedures may be found on the web at <http://www.tamu.edu/aggiehonor>