PHY 3323: Electromagnetism 1 Fall 2018 Professor Mark W. Meisel
"*in vivo*" schedule (**black text: projected and tentative**; **purple text: past**; **blue text: hotlinks**; **red text important announcements**; **green text: fixed final exam**)
Note: Schedule is "projection" and revisions will be announced in class and subsequently posted online.

Week 1	Aug 20	No Class scheduled by registrar.
	Aug 22	Class Starts, Introduce the Course, Preamble, Ch. 1. **NOTE: 4th edition HW Problems (X.X is 3rd edition, if different.)** **Homework Problems Ch. 1: 1.2, 1.4, 1.7, 1.10, 1.11, 1.13, 1.15, 1.16, 1.18, 1.20 (1.19), 1.22 (1.21), 1.26 (1.25), 1.31 (1.30), 1.32 (1.31), 1.34 (1.33), 1.39 (1.38), 1.43 (1.42), 1.44 (1.43), 1.46 (1.45), 1.48 (1.47), 1.54 (1.53), 1.56 (1.55), 1.59 (1.58).**
	Aug 24	Check ELS gradebook to see your entry! Appendices, Units, Continue Ch. 1.
Week 2	Aug 27	Ch. 1 Continued, Delta-function started. Finish Ch. 1.
	Aug 29	**Email questions for Quiz 1 Review by Noon.** Review Ch. 1.
	Aug 31	**Quiz 1** covering Ch. 1.
Week 3	Sep 03	**No Class (Labor Day).**
	Sep 05	Quiz 1 returned and discussed. Start Ch. 2: Demo of charged objects attraction/repulsion. **Homework Problems Ch. 2: 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.9, 2.10, 2.11, 2.12, 2.13, 2.14, 2.15, 2.16, 2.18, 2.19, 2.20, 2.21, 2.22, 2.25, 2.27, 2.28, 2.31, 2.38 (2.35), 2.39 (2.36), 2.41 (2.37), 2.42 (2.38), 2.46 (2.42 slightly different wording but same concepts), 2.47 (2.43), 2.50 (2.46).**
	Sep 07	Ch. 2 continued and cover Sec. 2.1, Sketch Prob. 2.7, discuss limits.
Week 4	Sep 10	Finish Prob. 2.7, note Prob. 2.3, 2.4, 2.5, 2.6 are classics. Finish Sec. 2.2.
	Sep 12	Ch. 2 continued Sec. 2.3 to about 2.3.5. Integrals on coversheet for Quiz 2 posted online. Prob. 2.14?
	Sep 14	Finish Ch. 2.
Week 5	Sep 17	**Email questions for Quiz 2 Review by Noon.** Review Ch. 2.
	Sep 19	**Quiz 2** focusing on material in Ch. 2 covered up to end of lecture on Sep 14.
	Sep 21	Start Ch. 3 after review of Quiz 2. Overview Ch. 3 and "images" method. **Homework Problems Ch. 3: 3.1, 3.2, 3.3, {3.5 (3.4) special}, 3.8 (3.7), 3.9 (3.8), 3.10 (3.9), 3.11 (3.10), 3.13 (3.12), 3.14 (3.13), 3.15 (3.14), 3.16 (3.15), 3.19 (3.18), 3.20 (3.19), 3.21 (3.20), 3.24 (3.23), 3.26 (3.25), 3.27 (3.26), 3.29 (3.27), 3.30 (3.28), 3.32 (3.30), 3.33 (3.31), {3.36 (3.33) experts}, 3.39 (3.35), 3.40 (3.36), 3.45 (3.39), 3.46 (3.40), 3.47 (3.41).**
Week 6	Sep 24	Continue Ch. 3. Focus on wave guides, Sec. 3.3, Ex. 3.3 and 3.5.
	Sep 26	Continue Ch. 3. Focus on wave guides, Sec. 3.3, Ex. 3.3 and 3.5.
	Sep 28	Continue Ch. 3. Spherical and cylindrical cases to finish Sec. 3.3.
Week 7	Oct 01	Finish Sec. 3.3.
	Oct 03	**Email questions for Quiz 3 Review by Noon.** Review of Ch. 3.
	Oct 05	**Quiz 3** focusing on material since Quiz 2 to end of lecture on Oct 01. **Quiz 3 will focus on material in Sections 3.1 to 3.3, inclusive.**

Week 8	Oct 08	Return Quiz 3. Section 3.4 (Multipole Expansion) to Finish Ch. 3. Start Ch. 4. **Homework Problems Ch. 4: 4.4, 4.5, 4.6, 4.10, 4.11, 4.13, 4.15, 4.18, 4.21, 4.22, 4.28, 4.33, 4.39 (4.36).**
	Oct 10	Continue Ch. 4.
	Oct 12	Continue Ch. 4.
Week 9	Oct 15	Finish Ch. 4.
	Oct 17	**Email questions for Quiz 4 review by Noon.** Review of Ch. 4.
	Oct 19	**Quiz 4** focusing on material since Quiz 3 to end of lecture on Oct 15.
Week 10	Oct 22	Review Quiz 4. Start Ch. 5. **Homework Problems Ch. 5: 5.4, 5.5, 5.6, 5.8, 5.9, 5.10, 5.11, 5.16 (5.15), 5.17, (5.16), 5.22 (5.21), 5.23 (5.22), [5.34 (5.33), you should understand the notation], 5.49 (5.48), 5.58 (5.56), 5.60 (5.58).**
	Oct 24	Continue Ch. 5. Extra-Credit Exercise 1 described and posted.
	Oct 26	Continue Ch. 5. Completed the "triad", Fig. 5.48 plus **B** to **A**.
Week 11	Oct 29	Continue Ch. 5. Magnetic monopole. Start some "classics".
	Oct 31	Finish Ch. 5 by completing "classics" discussion.
	Nov 02	**No Class (UF Homecoming).**
Week 12	Nov 05	**Email questions for Quiz 5 Review by Noon.** Review of Ch. 5.
	Nov 07	**Quiz 5** focusing on material since Quiz 4 to end of lecture on Oct 31.
	Nov 09	No formal class meeting. ***Reading Day*** for Extra-Credit Exercise 1. Start reading/working Ch. 6. **Homework Problems Ch. 6: 6.7, 6.8, 6.9, 6.14, 6.15, 6.25 (6.23).**
Week 14	Nov 12	**No Class (Veterans Day Holiday observed by UF).**
	Nov 14	In-class 10 pt exercise on material in Ch. 5. Open book and notes.
	Nov 16	Review Quiz 5 and in-class exercise.
Week 15	Nov 19	Finish Ch. 6.
	Nov 21	**No Class (Thanksgiving Holiday).**
	Nov 23	**No Class (Thanksgiving Holiday).**
Week 16	Nov 26	**Email questions for Quiz 6 Review by Noon.** Review Ch. 6. Extra-Credit Exercise 1 due by Noon.
	Nov 28	**Quiz 6** focusing on material since Quiz 5 to end of lecture on Nov 19.
	Nov 30	Return Quiz 6. Finish Ch. 6 if needed. Review entire course.
Week 17	Dec 03	**Email questions for Final Review by Noon.** Review entire course and prepare for final.
	Dec 05	**Last Day of Class.** Overview material for Final Exam continues. **Last Day for resolving any questions about graded material.**
	Dec 07	**No Class (Reading Day).**

Final Exam: Monday, 10 December 2018, 10:00 to 12:00 hrs (Noon), in NPB 1220 (classroom for course). Final Exam covers material from the entire course.