ED 3510 & ED 3511 *Communicating Science* – Fall 2014

COURSE SCHEDULE (DRAFT as of 09-09-14)

Week #1 – Thursday, Sept. 4 ~ 7:00 - 8:00 PM
Topic: *Course Overview*

Week #2 Tuesday, Sept. 9 ~ 7:00 - 9:00 PM
Topic: *Engaging Students in Inquiry, Direct & Indirect Instruction, Learning Styles & Michigan Grade Level Content Expectations*
Assignment: Read three National Science Teachers' Association (NSTA) position papers on elementary science education, parent involvement, and informal science; write a one-page reflection comparing the NSTA position statements to your own elementary school experiences.
Due: Tues, Sept. 16

Week #3 – Tuesday, Sept. 16 ~ 7:00 - 9:00 PM
Topic: *Course Overview & Developing Lesson Plans: introductions, attention-getters, safety, sample activities, questioning skills, fillers, and summaries*
Assignment:
(1) Students identify activities to present to each of the following age groups: K-2, 3-4, or 5-6 during a 40-minute family science night. Three ***different*** sources (activity guides, internet, Science & Children journal, faculty, etc.) should be consulted. The activity selected for each grade grouping should be attached (unless taken from a book in the Center office) and the complete reference for the source of each activity listed on the form provided.
(2) Choose lesson plan #1 (from notebooks of student lesson plans).
Due: Tues, Sept. 23

Week #3 – Thursday, Sept. 18 ~ 5:00 - 8:30 PM
(1) Family Forest Night at Lake Linden-Hubbell School Forest *(optional)*
Observe or assist (dinner and transportation provided).
Assignment: One-page self-critique. **Due:** Tues, Sept. 23.

Week #4 – Tuesday, Sept. 23 ~ 7:00 - 9:00 PM
Topic: *Role of Professionals in Communicating Science & Classroom Management*
Assignment: Prepare for practice presentation on Sept. 30. **Due: Tues., Sept. 30**

Week #5 –Tuesday, Sept. 30 ~ 5:00-9:00 PM (TBD)
Topic: Practice Presentations. You will have 30 min. to present your lesson; have enough supplies for 2 groups to participate.
Assignment:
(1) Make revisions to your lesson plan and resubmit. **Due:** Tuesday, Oct. 7
(2) Continue to practice your family science night presentation at home.

Week #6 – Tuesday, Oct. 7 No class

Week #7 –Tuesday, Oct. 14 ~ ***Depart at 4:45 pm; return 8:30 pm***
(2) Family Science Night 6:00-7:30 PM at Barkell Elementary (Hancock). Everyone presents!
Assignment: (1) One-page self-critique. **Due:** Friday, Oct. 18

Week #8 – Tuesday, Oct. 21 ~ ***Depart at 4:30 pm; return 8:30 pm***
(3) Family Science Night 6:00-7:30 PM at ????
Assignment: One-page self-critique. **Due:** Tuesday, Oct. 28

Week #8 – Thursday, Oct. 23 ~ *8:30-2:50 pm (TBD) at Great Lakes Research Center*
Water Festival (12:30 -2:30 PM & 4-5 PM).
Assignment: One-page self-critique. **Due:** Tuesday, Oct. 28

Week #9 – Tuesday, Oct. 28 ~ *Depart at 4:30 pm; return 8:30 pm*
(4) Family Science Night 6:00-7:30 PM CST at Washington Elementary School (Bessemer)
Assignment: (1) One-page self-critique. Tuesday, Nov. 4. (2) Lesson Plan #2 due Nov. 3.

Week #10 – Tuesday, Nov. 4 ~ Practice Presentations 5:00-9:00 (TBD)
Assignment: Practice your family science night presentation at home.

Week #10 – Thursday, Nov. 6 ~ 6:00-7:30 PM *(1-2 students)*
(5) Family Science Night at Arvon School
Assignment: One-page self-critique. **Due:** Tuesday, Nov. 11

Week #11 – Tuesday, Nov. 18 ~ 6:30-8:00 PM (Depart 5:30 pm)
(6) Family Science Night at Portage Lake District Library
Assignment: One-page self-critique. **Due:** Friday, Nov. 22

Week #13 – Tuesday, Dec. 2 ~ 6:00-7:30 PM *(Depart 4:15 PM; return 9:30 pm)*
(7) Family Science Night at ???
Assignment: Prepare 1-page self-critique of your presentation and Final Reflection paper. **Due:** Dec. 9

Week #14 – Tuesday, Dec. 9 ~ 7:00-8:00 *LAST CLASS*
Topic: Wrap-up and sharing. Final reflection paper due. Complete course evaluations. Put away ALL activity boxes & supplies. Return ALL books and tax-exempt card.