

ED 3510 & ED 3511 Communicating Science

COURSE SCHEDULE (01.11.17)

Location: 104 Great Lakes Research Center

Week	Date	Class / Topic	Assignments
1	Tues., Jan. 10 7:00-9:00 pm	Introductions, course syllabus & schedule - Course Overview & course requirements - Demo family science/engine activity	Read 4 National Science Teachers' Association (NSTA) position papers on elementary science education, parent involvement, informal science and your choice; write a one-page reflection comparing the NSTA position statements to your own elementary school science experiences. Due Jan. 17 http://www.nsta.org/about/positions/
2	Tues., Jan. 17 6:30-8:00 pm	Guideposts for Effective Teaching <ul style="list-style-type: none"> • Learning Styles • NGSS as a guide for grade-appropriate instruction Watch Best Practices for Scientists Visiting Classrooms: http://www.youtube.com/watch?v=XHLBnXITy8 -Demo Family Science activity	Write 2-page essay about why communication with the public about science topics is important. Due Jan. 31 (need 5 references) 2) Find an activity for each of three grade groupings: K01, 2-3, 4-5.
3	Tues., Jan. 24 7:00-9:00 pm	Lesson Plan Presentation & Delivery: -Lesson Plan outline: attention-getters, safety, hands-on activities, questioning/ wait-time, fillers, assessment, classroom management. -Demo Family Science activity	1. Choose Lesson Plan from Family Science notebooks. Tell Joan by 1/31 2. Prepare elevator speech for your major/career path to present. Due 1/31.
4	Tues., Jan. 31 7:00-9:00 pm	7:00-7:45 pm Web Design & Science Education (Sue Hill or Monte Consulting (<i>invited</i>)) 7:50-8:30 pm How is Interpretation Different from Science Education? (Valerie Martin, Isle Royale N.P.) (<i>invited</i>) 8:15 pm 5-min. Elevator Speeches	Attend/participate in a science education event (Green Films, dept seminars, field trip, after school class, Carnegie Museum, etc.) and write 1-pg critique/reflection. Due 2/14
5	Tues., Feb. 7 4:45-8:30 pm	Lab: Baraga Family Science & Engineering Night (ED3510 Comm Sci students assist; ED3511 students present)	1. Complete Baraga Presenter Eval due 2/14. 2. Prepare your practice presentation for 2/14.
6	Tues., Feb. 14 7:00-9:00 pm	7:00-7:30 pm a) Share your FSEN experience. b) Classroom Management Scenarios 7:30-9 pm Lab: Practice Presentations	Practice Family Science Night lesson presentation for 2/21
7	Tues., Feb. 21 4:45-8:30 pm	Lab: CLK Elementary Family Science & Engineering Night (Calumet) – present your lesson 2x	Write reflection of your lesson presentation due 2/27.
8	Tues, Feb. 28 4:45-8:30 pm	Lab: Barkell Elementary Family Science & Engin Night – present your lesson 2x	1) Develop draft lesson plan #2. Due 3/14. 2) Select Station Activity for Science Festival 3/17. Due March 3. 3) Write reflection of your lesson presentation due 3/14.
	March 6-10	MTU Spring Break	
9	Tues., Mar 14 4:45-8:30 pm	Lab: Chassell School Family Science & Engin Night – present your lesson 2x (Practice Presentation w/ instructor by pre-arrangement)	1) Prep for Science Festival station on 3/16 at MUB. 2) Write reflection of your lesson presentation. Due Mar 21
9	Th., Mar. 16 4:15-8:00 pm	Western UP Science Fair & Festival - conduct an activity station for Gr. 4-8 students	Write reflection of your station. Due Mar 22

10	Tues, Mar 21 4:30-8:00 pm	Lab: Houghton Elementary Family Science & Engin Night – present #2 lesson 2x	Write reflection of your lesson presentation Due Mar 28.
11	Tues., Mar 28 (March 27-31 CCISD Spring Brk)	7:00-7:45 pm <i>How Does A Journalist Communicate Science?</i> Allison Mills, Science writer, MTU (<i>invited</i>)	1) Prepare Flash Presentations by students on topic of choice: Teach Us Something!
12	Tues., Apr 5 7:00-9:00 pm	7:00-7:45 pm <i>GeoHeritage & Science Outreach</i> - Erika Vye, Geoheritage Education Coord. (<i>invited</i>) 8:15 Flash Presentations (5-min.) by students on topic of choice: Teach Us Something! Practice videotaping; TedX assignment prep View sample TedX presentations	1. Prepare TedX presentation for 4/18 . 2. Practice lesson presentation for 4/11
13	Tues., Apr 11 4:00-10:30 pm	Lab: Family Science Night at Wakefield-Marinesco School, 6:00-7:30 pm CST	1. Write reflection of your lesson presentation. 2. Design a 5 min. talk in the TED style on a science topic. (see rubric) Due: Apr 18 presentation in class
14	Tues., Apr 18 7:00-9:00 pm	TedX Presentation by students (see rubric) Videotape each presentation. Reflection & sharing. Put away supplies. Return tax exempt card. LAST CLASS; NO FINAL.	Write 1-2 page reflection that discusses "how your experience in Communicating Science class has increased your awareness and contributed to your academic & professional career. Send by email to instructor by Apr 24. Complete course evals online.
		? hours – Classroom ? hours - Lab	