COURSE SCHEDULE (2/17/06)

Week #1 – Thursday, Jan. 12 ~ 7:00 - 9:00 PM
Topic: Course Overview & Teaching the Scientific Method
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: 7 PM, Thursday, Jan. 19

Week #2 – Thursday, Jan. 19 ~ 7:00 - 9:00 PM
Topic: Cognitive Development, Learning Styles, and Michigan Content Standards
Assignment: Find age-appropriate activities that you could present at a family science night to TWO of the following age groups: Grades 1-2, 3-4, 5-6. The two activities should come from two different sources (activity guides, internet, NSTA Science & Children journal, faculty, elementary teachers). For each age group: list the activity title, source (complete bibliography), and science and math content standard addressed. Attach a copy of the activity, if it is not from one of the Center’s materials. Due: 7 PM, Thursday, Jan. 26

Week #3 – Thursday, Jan. 26 ~ 7:00 - 9:00 PM
Topic: Developing Lesson Plans & Delivering An Effective Science Night Presentation: introductions, attention-getters, safety, sample activities, questioning skills, fillers, summaries & classroom management
Assignment: Develop draft lesson plan. Due: 7 PM, Thurs., Feb. 2 (email to jchadde@mtu.edu)

Week #4 – Thursday, Feb. 2 ~ 4:30 - 9:00 PM (Depart 4:30 PM)
(1) Family Science Night: Sacred Heart School in L’Anse
All students will be a presentation assistant
Assignments:
   (1) Complete critique of presenter observed. Due: 5 PM, Monday, Feb. 6
   (2) Prepare Final Lesson Plan. Due: 5 pm, Tuesday, Feb. 14.
   (3) Prepare 30-minute presentation of your lesson plan. Due: Feb. 16

Week #5 – Thursday, Feb. 9 ~ NO CLASS ~ Winter Carnival

Week #6 – Thursday., Feb. 16 ~ Practice Presentations 9 am-6 PM
Topic: Sign up for 1-hr presentation slot; observe another student’s presentation.
Assignment: Practice your family science night presentation at home.

Week #7 – Tuesday, Feb. 21 ~ 4:00-10:30 PM (Depart 4:30 PM)
(2) Family Science Night: Washington Elementary School in Bessemer
Assignment:
   (1) Prepare 1-page self-critique of your presentation. Due: 5 PM, Monday, Feb. 27.
   (2) Prepare second presentation. Due: Thursday, Feb. 23

Week #7 – Thursday, Feb. 23 ~ 4:00-9:00 PM (Depart 5:00 PM)
(3) Family Science Night: Lake Linden-Hubbell Elementary School
Finlandia University elementary science education students will assist.
Assignment:
   (1) Prepare 1-page self-critique of your presentation. Due: 5 PM, Monday, Feb. 27.
   (2) Prepare second lesson plan. Due: Thursday, March 2

OPTIONAL: Week #8 – Tuesday, Feb. 28 ~ MTU Physic’s Club Family Science Night (Depart 4:30PM)
Assistants needed to help Society of Physics students with activity stations.
Week #8 – Thursday, March 2 ~ NO CLASS (Joan to Michigan Science Teachers Assn’s Conference in Lansing)

MARCH 3-10 ~NO CLASS ~ MTU SPRING BREAK

Week #9 – Tuesday, March 14 ~ 4:00-11:00 PM  (Depart 4 PM)
(4) Family Science Night: Norrie School in Ironwood
Assignment: Prepare 1-page self-critique of your presentation. Due: 5 PM, Monday, Feb. 27.

Week #9 – Thursday, March 16 ~ Western U.P. Science Fair for Gr. 4-9 at the MTU
You will be assigned to either conduct an activity station or be a judge:
4 - 7 pm – Activity station set-up in dining area of MUB; students attend 4:30-7 pm
4 - 7pm - Judges’ meeting followed by judging of projects I MUB Ballroom.

Week #10 – Tuesday, March 21 ~ 4:15-9:00 PM  (Depart 4:15 PM)
(5) Family Science Night: Ontonagon Elementary School
Assignment:
(1) Prepare 1-page self-critique of your presentation. Due: 5 PM, Monday, March 27
(2) Prepare presentation of second lesson plan. Due: Thursday, March 23

Week #10 – Thursday, March 23 ~ Practice Presentations 9 am – 7 PM
Topic: Sign up for 1-hr presentation slot; observe another student’s presentation.
Assignment: Practice your family science night presentation at home.

(Houghton-Baraga Counties’ Schools’ Spring Break March 27-31)

Week #11 – Thursday, March 30 ~ 4:30-9:00 PM  (Depart 4:45 PM)
(6) Family Science Night: Watersmeet School
Assignment: Prepare 1-page self-critique of your presentation. Due: 5 PM, Monday, April 4.

Week #12 – Thursday, April 6~ NO CLASS (Joan to National Science Teachers Association’s Convention April 6-9, 2006 in Anaheim, CA)

Week #13 – Tuesday, April 11 ~ 4:00 - 9:30 PM  (Depart 4 PM)
(7) Family Science Night: Ewen-Trout Creek Elementary School
Assignments: Prepare 1-page self-critique of your presentation. Due Date: 5 PM, Monday, April 17

Week #13 – Thursday, April 13 ~ NO CLASS
(Gogebic-Ontonagon Counties’ Schools’ Spring Break April 13-21)

Week #14 – Thursday, April 20 ~ 5:00 - 8:30 PM  (Depart 5 PM)
(8) Family Science Night: Chassell School
Assignment:
(1) Prepare 1-page self-critique of your presentation. Due: Last class
(2) Write final reflection paper. Due: Last Class

Finals Week – 9-10 am, Monday, April 24 ~ LAST CLASS (204 Dillman)
Last class: Wrap-up and sharing. Final reflection paper due. Complete course evaluations.