Bus Activities

March 24th: Hands on Museum Visit

Request
Pick Up at Cooley Building 9:00 a.m.
Leave Hands on Museum 1:00 p.m.

Reserved Rooms
2906 Cooley Building
1940 Cooley Building
## INSTRUCTORS

<table>
<thead>
<tr>
<th>Time</th>
<th>3-Mar</th>
<th>10-Mar</th>
<th>17-Mar</th>
<th>24-Mar</th>
<th>31-Mar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Morning</td>
<td>Troy B.</td>
<td>Steve A.</td>
<td>Kelly P.</td>
<td>Steve, Troy</td>
<td>Rob R.</td>
</tr>
<tr>
<td>Afternoon</td>
<td>Troy B.</td>
<td>Adrienne L.</td>
<td>Rob R.</td>
<td>Jesse, Adrienne</td>
<td>EVREYBODY</td>
</tr>
</tbody>
</table>

## TEACHING ASSISTANTS

<table>
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<tbody>
<tr>
<td>Morning</td>
<td>Kelly P</td>
<td>Diana Li</td>
<td>Chris M</td>
<td>Scott P</td>
<td>Jessica L</td>
</tr>
<tr>
<td>Afternoon</td>
<td>Kelly P</td>
<td>Jessica L.</td>
<td>Scott P</td>
<td>Chris M.</td>
<td>Diana Li</td>
</tr>
</tbody>
</table>

**TAs PLEASE NOTE:** Even though everyone is welcome on March 24 and March 31 the ASSIGNED TAs MUST pick up the students and drop them off.
2007 Nuclear Engineering & Radiological Sciences DAPCEP Selection Criteria

- Personal Statement
- Grade Point Average (min 2.5)
- Answers to questions that demonstrate scientific aptitude
- Previous DAPCEP experience
2007 NERS DAPCEP Course Outline

Class 1: March 3
Morning: Introduction to Nuclear Engineering and Radiological Sciences
Basics of Atoms
Afternoon: Engineering Design Project

Class 2: March 10
Morning: Radiation Detection/ Measurements
Quick tour of North Campus
Afternoon: Radiological Health and Imaging

Class 3: March 17
Morning: Nuclear Fission/ Nuclear Energy/ Waste Disposal
Tour of Plasma Lab (pending)
Afternoon: Fusion/ Plasmas/ Weapons

Class 4: March 24
Trip to Fermi2 or Hands on Museum (in planning stage)

Class 5: March 31
Morning: Student Presentations
Afternoon: Closing Ceremony
GLOW BLUE PRE-TEST

1. A Geiger Muller detector is used to measure radiation from Fiestaware (orange pate) by making noise and deflecting the pointer on the meter.

2. True / False: The atoms are made up of a nucleus and electrons going around it.

3. True / False: Some food irradiation has been approved by the FDA.

4. True / False: Current nuclear reactors using fusion instead of fission.

5. True / False: Fission is to break a nucleus into two or more pieces.

6. True / False: Fusion is to break a nucleus into two or more pieces.

7. True / False: Cold Fusion is a source of energy.

8. True / False: Any amount of radiation is bad for our health.

9. True / False: You are being radiated all the time and everywhere.

10. Circle ALL application of Nuclear Engineering and Radiological Sciences.
    a. Space Propulsion
    b. Submarine Propulsion
    c. Medical Imaging
    d. Shoe Making
    e. Nuclear Weapons
    f. Cancer Treatments
    g. Carbon Dating
    h. Making Music

11. About how many nuclear power plants operate in the US?
    a. None
    b. 10
    c. 100
    d. 1000

12. How many operate in the world?
    a. None
    b. 4
    c. 400
    d. 4000
INSTRUCTOR BACKGROUND

Name: Steve Anderson  
Home Town: Ironwood, MI  
Education/Major: Nuclear Engineering and Radiological Science, PhD Student  
HS Activities: Sports, Music  
HS Classes: Physics, Chemistry, Math, Computers  
Current Activities: Graduate Student Instructor, Graduate Student Research Assistant, Basketball  
Future Plans: After I graduate I plan on working at a national lab for a period then I will consider a teaching position at a university.  
Favourite Quote:  
Additional Information:  

Instructor Background

Name: Troy Becker

Hometown: IDAHO

Location/Major: University of Michigan, Nuclear Engineering

H.S/College Classes:
- H.S/College Activities:
- 

Future Plans:
Favorite Quote:

INSTRUCTOR BACKGROUND

Name: Adrienne Lehnert
Home Town: Iron Mountain, Michigan
Education/Major: Nuclear Engineering and Radiological Sciences
HS Activities: Band (Marching, Pep, Concert), Quiz Bowl, Drama Club, National Honor Society, Rockets for Schools
HS Classes: Physics, Chemistry, Biology, Geometry/Algebra, Calculus, Prob/Stats, History, 4 yrs Lit/English, 4 yrs Spanish
Current Activities: Music (Piano & “Bell Tower”), Reading, Graduate School, outdoor activities (skiing, hiking, kayaking, etc)
Future Plans: I would like to work at either a national lab or at a university (probably eventually both)
Favourite Quote: “Well behaved women rarely make history” –Laurel Thatcher Ulrich
Additional Information:
INSTRUCTOR BACKGROUND

Name: Rob Reed
Home Town: Monroe, MI
Education/Major: Nuclear Engineering and Radiological Sciences
HS Activities: American Red Cross, Student Council, National Honor Society, FIRST Robotics, Band
HS Classes: Physics, Math (through Calculus), Chemistry, Advanced Literature
Current Activities: Marching Band, Ballroom Dance Team/Club, American Nuclear Society/ Alpha Nu Sigma, Grader/UGSI for NERS 312 (Nuclear Physics)
Future Plans: Doctorate in Plasma Physics/ Research Scientist in Fusion Energy
Favourite Quote: "Only two things are infinite, the universe and human stupidity, and I'm not sure about the former."
- Albert Einstein (1879-1955)
Additional Information: 2nd year in DAPCEP
Class Rules

• Obey all bus rules when you are on the bus
• No foul language
• Follow the instructions by the instructors and TAs
• Do not talk back
• No fighting
• Respect all the students
• Do not leave building unless (authorized and accompanied by coordinator)
• Do not damage break things
• Enjoy the learning activities, get involved!