CHEM 23201
Graded Evaluation

1. 45 pts. Knowledge and explanation of content

**Chemically Interesting**
Chemistry focus
OR
Biochemistry focus
Show structure of protein or enzyme, as appropriate
If describing study results then show data/chart of study results
Size of study
Limitations of study
Avoid medical list of symptoms

**If you show a Synthesis**
Why did you choose this synthesis?
Laboratory synthesis
Three steps minimum
Yield of each step
Isolation
Yield
Biosynthesis
Commercial/Industrial synthesis
Really nice to have:
Show mechanism for lab synthesis
First synthesis (show or mention)
Historically important synthesis (show or mention)

**Spectra** (if you have a synthesis)
Carbon NMR
Explanation
Field strength
Solvent
Proton NMR
Explanation
Field strength
Solvent
IR
Explanation
Solvent
Mass
Explanation
Base peak
Parent peak
Other major peaks
As appropriate:
UV/Vis
Explanation
NMR for other elements
Explanation
Crystal structure

**Characterization (if desired)**
Name of compound
IUPAC name
Synonyms
Not all but main ones
Boiling point
CAS Registry Number
Density
Melting point
Molecular Formula
Molecular Weight
Solubility
STP
Color
Physical form

**Slides:**
Title
Overview
Summary
Questions
Citations (abbrev.) at bottom

**Before 8am on the day of presentation:**
Email presentation
Email bibliography

**Before 8am on the day after:**
Email part one
What you did well
What you did poorly
Steps for improvement

**Before 8am day before next class:**
Email part two
Looking at each person for 4 sec
Moving about
Using the pointer
UpVoice count in 1 minute
Uh/Uhm count in 1 minute

Evaluator Name:  
Date:
2. 35 pts. How well was the presentation delivered?
   -5 overtime (11:00+ minutes)
   -5 undertime (8:00- minutes)
   -4 voice too soft
   -4 talked too fast
   -4 didn’t look at any of the audience (at the back wall, etc.)
   -3 hard to read graphics or text
   -3 too many words on a slide
   -3 too much reading
   -2 no title slide
   -2 no overview slide
   -2 no summary slide
   -2 no question slide
   -2 didn’t use a pointer
   -2 didn’t cite something on slide
   -2 swallows end of sentences
   -2 upvoice
   -2 didn’t look at one side of the audience
   -2 didn’t explain a graphic
   -2 had a handout but didn’t explain it
   -2 advancing to slide x+1 when talking about slide x
   -2 going backward to go forward (slide x -> x-1 -> x -> x+1)
   -1 blocks view of audience
   -1 distracting behavior
   -1 typos on slide
   -1 no cites at bottom of slides

3. 10 pts. How well did the abstract summarize the presentation?
   -5 missed something
   -10 no abstract given

4. 10 pts. Bibliography & Presentation slides?
   -2 didn’t email slides/bibliography by 8am the day of presentation
   -2 relevance of cited references
   -2 didn’t include all cites in bibliography
   -2 didn’t email an after action report by 8am day after presentation
   -4 bibliography not properly formatted
   -5 didn’t email one of the two parts of after action report
   -10 didn’t email presentation slides
   -10 didn’t email a bibliography
   -10 didn’t email either part of after action report