Today's class: synthesis and review, XSLT; § 12.3.
Next class: review.

1. List the members of your group below. Underline your name.

Consider an XML file ferndb.xml with the contents suggested by the following excerpt and express in XSLT:

```
0<FernDB> <Month lang="en">June</Month>
    <Fern> <Day>5</Day>
        <CommonName lang="en">Ostrich Fern</CommonName>15
        <BinomialName>
            <Genus>Matteuccia</Genus>
            <Species>struthiopteris</Species>
            </BinomialName>
        <HeightLow units="ft">2</HeightLow>
            <HeightUp units="ft">5</HeightUp>
            <Habitats>
                <Habitat id="woods"/>
            </Habitats>
            <FruitDate>
                            </FruitDate>
    </Fern>
    <Habitat id="woods">
5
    Woodland areas.
    </Habitat>
20 <Observation>
            <Date format="ISO">2012-06-01</Date>
            <Location>near shed</Location>
            <Fern>Ostrich Fern</Fern>
                        </Observation>
25 </FernDB>
```

2. Write an XSLT query that produces Hello, World! as result. You may skip boilerplate for the rest of the questions.
3. Write an XSLT query for a list of languages used by the common names, one per line.
4. Write an XSLT query for a list of all units used by the height elements.
5. An answer to Question 4 analogous to Figure 12.23 in the textbook produces spurious output. What is it? Why? How may we eliminate it?
6. How may duplicates be eliminated for Question 4?
7. Write an XSLT query to produce an HTML table of common names of ferns with height consistent with 3 ft .
8. (Homework) Experiment with XSLT using a suitable query engine, such as xsltpro. In particular, try the queries from this exercise and the textbook.
