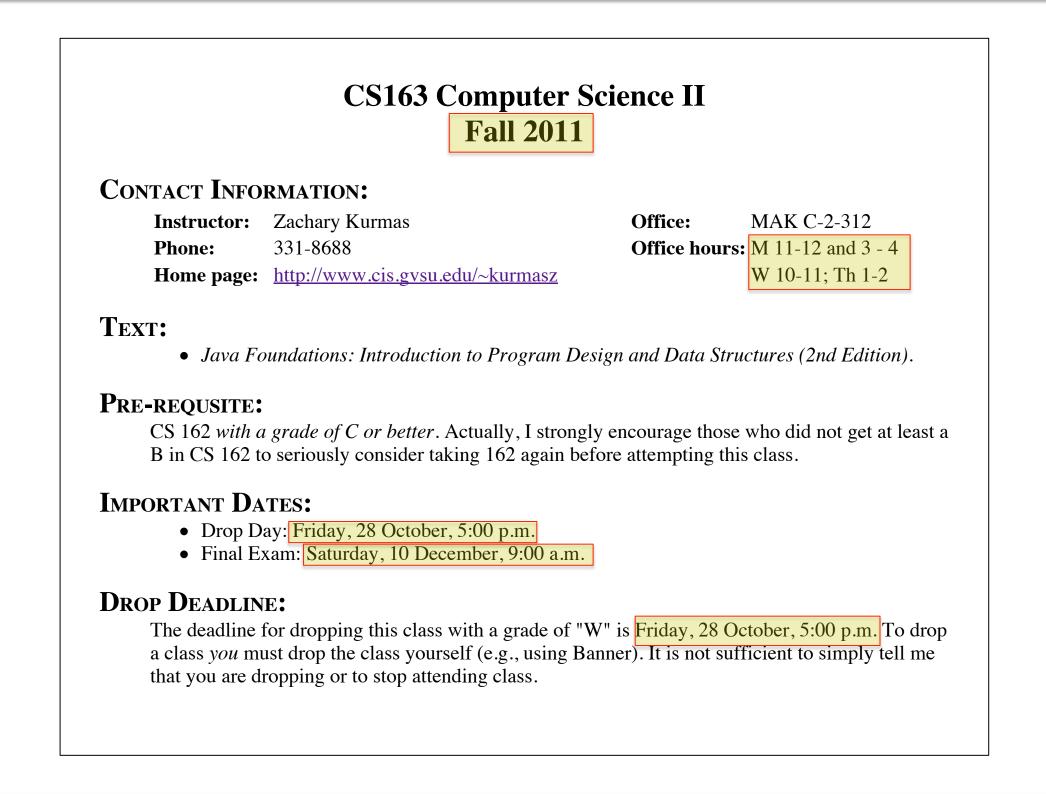
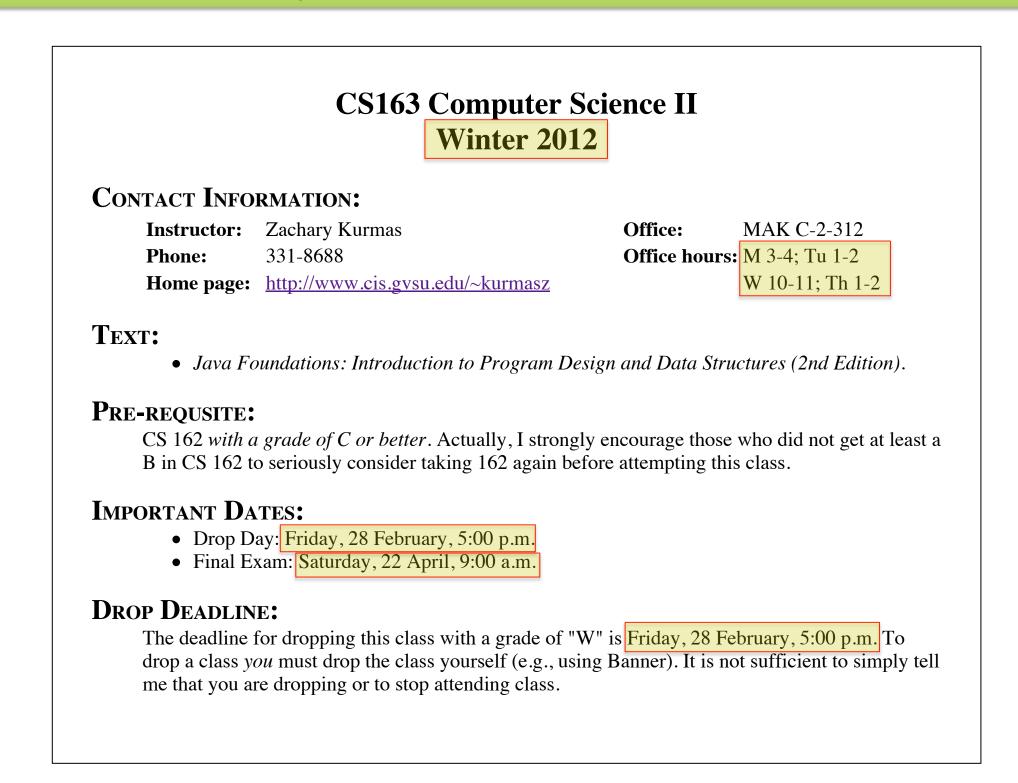
# Kielce: Configurable HTML Course Documents Zachary Kurmas Grand Valley State University

Many course documents differ in only a few, predictable ways from semester to semester.





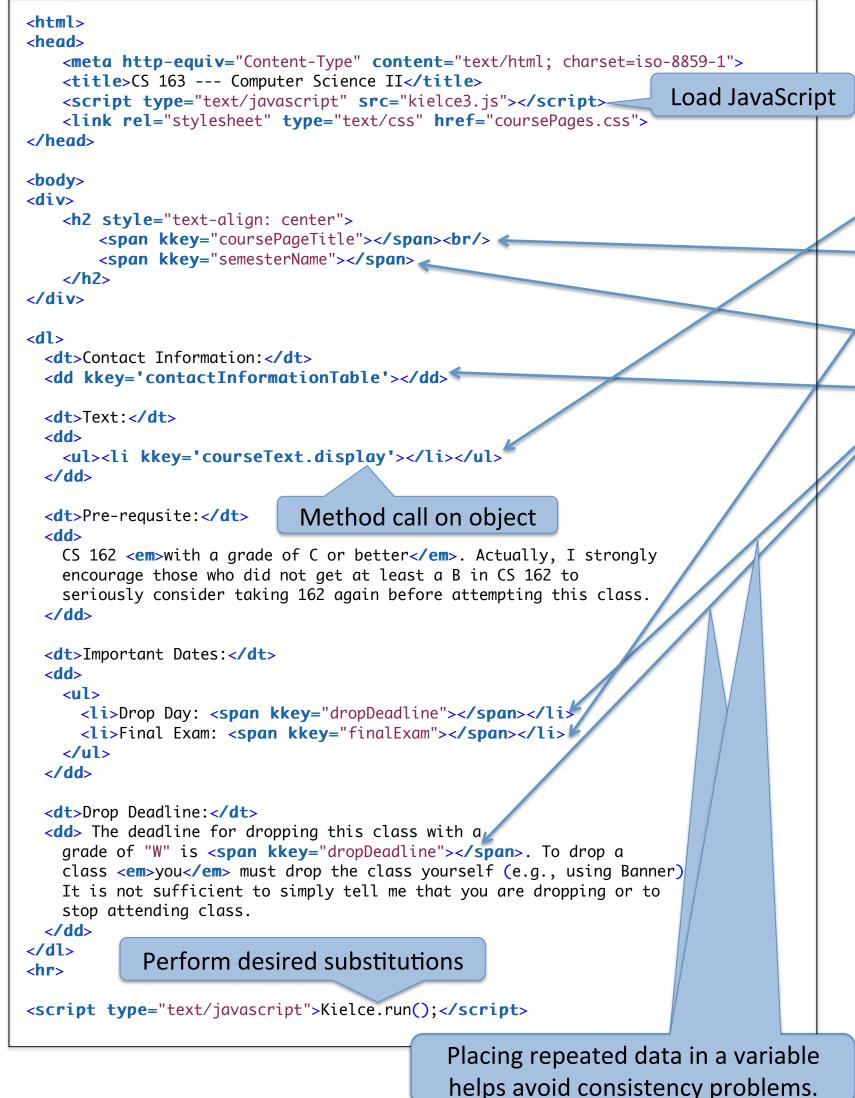
Making these changes by hand is not difficult, but it can be error prone.

• It is easy to overlook a needed change.

Kielce is a JavaScript library that allows users to move content from the HTML file to a separate file.

# HTML file

Doesn't change often



### Kielce data file

- All updates made here
- Most lines change each semester

```
Can use objects and methods to help format data
  Override: {
      courseTitle: "Computer Science II",
      courseName: "CS 163",
      courseText: Kielce.Book.init("Java Foundations: Introduction to Program Design and Data Structures (2nd Edition)",
                              "Lewis, DePasquale, and Chase", "0132128810"),
      finalExam: "Saturday, 22 April, 9:00 a.m.",
                                                   Data file can contain functions to calculate values.
     coursePageTitle: function (data) { -----
         return data.courseName + " " + data.courseTitle;
      semesterName: "Winter 2012",
     _dropDeadline: "Friday, 28 February, 5:00 p.m.",
     ScontactInformationTable: '<style type="text/css"> .ciHeader {font-weight: bold }</style>' +
       '' +
          '<COLGROUP>' +
             '<COL width="15%" align="left">' +
             ' <COL align="left">' +
             ' <COL width="15%" align="left">' +
            ' <COL width="25%" align="left">' +
          '</COLGROUP>' +
                                                         Semester-related data can go in a separate
          '' +
                                                            data file that is shared by all courses.
             ' Instructor:' +
             'Zachary Kurmas' +
              'Office:' +
             'MAK C-2-312' +
          '' +
          '' +
              'Phone:' +
             '331-8688' +
              'Office hours:' +
             ' M 3-4; Tu 1-2' +
        ' ' +
              'Home page:' +
             '<a href="http://www.cis.gvsu.edu/~kurmasz" target="_top">http://www.cis.gvsu.edu/~kurmasz</a>' +
             '' +
             'W 10-11; Th 1-2' +
          ''+
           ''
|});
```

# Advantages:

- Requires a single JavaScript file only
  - (nothing to "install")
- Client-side browser does processing
- No need to "pre-process" files
- No need for special web server configuration
- Can easily share Kielce-based documents with others. They need not know how to use Kielce.

# Other use:

Reduces conflicting updates when several instructors share one assignment

# Advanced uses:

- Data items can be functions or objects. (They are not limited to simple strings.)
- Functions and objects can automate formatting
- Functions can automatically calculate dates based on beginning of semester

# Download from

http://www.cis.gvsu.edu/~kurmasz/Software/Kielce