

15 multiple choice (30)  
5 short answer (70) coding type

More emphasis on the second half of the class

Cheat sheet, 8.5 \* 11, both sides

Review quiz, midterm, and labs will be VERY helpful

topics:

First half:

HTML

- Attributes
- forms

CSS

- specificity

JS

- different types: simple, primitive, complex
- Variables
- Closures: **function** scope

Second half:

jQuery

- Benefits: library, framework
- Why do we use jQuery, what makes jQuery special
- DOM manipulation methods (and any other helpful methods)
- XML/HTTP request
- Selectors

ES6

- Major differences: block scope
  - let
  - const
- Classes as shorter syntax for functional prototype classes

Node.js

- Ignore file systems
- Get comfortable with databases
- JS
- Special: packages
  - HTTP
  - mysql

State management

- No implementation
- We only use it with other library, package, framework

- Know about different “platforms”, their benefits, and how they work differently, expiration time
  - Cookies (client) and session (server)
    - Session is more about keep track of who you are and being able to use that identity to get data
    - Lifetime of a cookie:

### Express.js

- Framework
- why

### Databases

- Create and query tables (quiz)
- Add, read, update, delete from table