Schedule

A week-by-week breakdown of the material.

Week 1 (01/05-01/09)

- Day 1

    - History of Javascript[1]
    - Components of a Web Page[2]
    - Survey of HTML[3]

- Day 2

    - Survey of CSS[4]
    - A sample page[5]
    - Lab 1[6]

- Day 3

    - How to run Javascript[7]
    - Numbers in Javascript[8]
    - Local and Global Variables[9]
    - Basics of Arrays[10]

Week 2 (01/12-01/16)

- Day 1

    - Basics of Objects: Object literals[11]
    - Equality in Javascript[12]
    - Strings and Regular Expressions[13]
    - Function basics[14]
    - Lab 2[15]

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[1] notes/history.html
[2] notes/page_components.html
[3] notes/html_survey.html
[4] notes/css_survey.html
[5] notes/sample_page.html
[6] labs/1.html
[7] notes/how_to_run.html
[8] notes/numbers.html
[9] notes/local_vs_global.html
[10] notes/array_basics.html
[11] notes/object_basics.html
[12] notes/equality.html
[13] notes/strings_and_re.html
[14] notes/functions_basic.html
[15] labs/2.html

- – Quiz 1[16]
- Day 2
  - – No class
- Day 3
  - – No class

Week 3 (01/19-01/23)

- Day 1
  - – Functions as values[17]
  - – Functions as a means for creating a scope/context[18]
  - – Array Collection methods[19]
  - – Function Usage Patterns[20]
  - – Quiz 2[21]
  - – Lab 1[22]
  - – Overview of Software Development Practices[23]
  - – Basics of Version Control[24]
  - – Git basics[25]
  - – Review of Git commands[26]
  - – GitHub basics[27]
- Day 2
  - – Remotes and Branches[28]
  - – GitHub Workflow[29]
  - – Overall Project Workflow[30]
  - – Methods in objects and the need for this[31]

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[16]https://moodle.hanover.edu/mod/quiz/view.php?id=15591
[17]notes/function_values.html
[18]notes/functions_for_scope.html
[19]notes/array_collection_methods.html
[20]notes/function_usage_patterns.html
[21]https://moodle.hanover.edu/mod/quiz/view.php?id=33676
[22]labs/1.html
[23]notes/dev_overview.html
[24]notes/git_version_control.html
[25]notes/git_basics.html
[26]notes/git_commands_review.html
[27]notes/github_basics.html
[28]notes/git_remotes_branches.html
[29]notes/github_workflow.html
[30]notes/project_workflow.html
[31]notes/object_methods.html

- – Function call forms and the value of this[32]

- Day 3

Week 4 (01/26-01/30)

- Day 1

  - – The DRY principle[33]
  - – Object creation and prototypes[34]

- Day 2

  - – Different stack implementations[35]
  - – "Class" construction examples[36]
  - – Setting up a second remote[37]
  - – Testing Basics[38]

- Day 3

Week 5 (02/02-02/06)

- Day 1
- Day 2

  - – Introduction to the DOM (Document Object Model)[39]
  - – Introduction to jQuery[40]

- Day 3

Week 6 (02/09-02/13)

- Day 1

  - – Object properties[41]
  - – Introduction to DOM Events[42]
  - – Timers[43]

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[32]notes/function_calls_and_this.html
[33]notes/dry.html
[34]notes/object_creation_prototypes.html
[35]notes/stack_various.html
[36]notes/class_construction.html
[37]notes/second_remote.html
[38]notes/testing_basics.html
[39]notes/dom_intro.html
[40]notes/jquery_intro.html
[41]notes/object_properties.html
[42]notes/events_intro.html
[43]notes/events_timers.html

- Day 2
  - TaskApp: Building a Web App[44]
- Day 3

Week 7 (02/16-02/20)

- Day 1
  - TaskApp: Building a Web App[45]
- Day 2
  - TaskApp: Building a Web App[46]
- Day 3

Week 8 (02/23-02/27)

BREAK

Week 9 (03/02-03/06)

- Day 1
  - Assignment of Projects[47]
  - Using Templates: Handlebars[48]
- Day 2
  - Work on Projects
- Day 3

Week 10 (03/09-03/13)

- Day 1
  - Graphics in Javascript, SVG[49]
- Day 2
  - Custom Events: Oberver, Publish/Subscribe[50]
- Day 3

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[44]notes/taskapp_setup.html
[45]notes/taskapp_setup.html
[46]notes/taskapp_setup.html
[47]notes/project_descriptions.html
[48]notes/templates.html
[49]notes/graphics.html
[50]notes/custom_events.html

Week 11 (03/16-03/20)

- Day 1
    - Documentation systems[51]
    - Code Reviews[52]

- Day 2
    - Module Patterns: Node/CommonJS modules[53]
    - Using require.js[54]
    - UMD modules[55]

- Day 3

Week 12 (03/23-03/27)

- Day 1
    - The Visitor Pattern and the need for it[56]

- Day 2
    - Basics of HTTP[57]
    - Introduction to XMLHttpRequest[58]

- Day 3

Week 13 (03/30-04/03)

- Day 1
    - Projects progress

- Day 2
    - Projects progress

- Day 3

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[51] notes/documentation.html
[52] notes/code_review.html
[53] notes/pattern_modules.html
[54] notes/requirejs.html
[55] notes/umd.html
[56] notes/patterns_visitor.html
[57] notes/http_intro.html
[58] notes/xhr_intro.html

Week 14 (04/06-04/10)

- Day 1
  - Projects progress
- Day 2
  - What we left out[59]
  - Final Study Guide[60]
- Day 3

Other topics we did not cover

- MVC: Model-View-Controller[61]
- Intro to Patterns: Iterator[62]
- Lab 5: Collections[63]
- Design Patterns[64]
- Patterns of code reuse[65]
- Pattern: Command[66]
- Pattern: Proxy[67]
- Pattern: Visitor[68]
- Pattern: Visitor (cont)[69]
- Lab 6: Double-Linked Lists, History[70]
- Pattern: Composite[71]
- Patterns: Adapter and Facade[72]
- Example of Designing a Model[73]

Old notes

- Functions as closures[74]

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[59]notes/left_out.html
[60]notes/final_study_guide.html
[61]notes/pattern_mvc.html
[62]notes/patterns_iterator.html
[63]labs/5.html
[64]notes/design_patterns.html
[65]notes/code_reuse.html
[66]notes/patterns_command.html
[67]notes/patterns_proxy.html
[68]notes/patterns_visitor.html
[69]notes/patterns_visitor.html
[70]labs/6.html
[71]notes/patterns_composite.html
[72]notes/patterns_adapter_facade.html
[73]notes/design_example.html
[74]notes/function_closures.html