

CSC 470 – Section 3

Topics in Computer Science: Advanced Browser Technologies

Mark F. Russo, Ph.D.

Spring 2016

Lecture 0

CSC 470 – Section 3

- Tuesday/Thursday
- 5:30 PM – 6:50 PM
- Forcina Hall room 406

- Thursday March 10 - Class Cancelled
- Tuesday March 15 - No Class, Spring Break
- Thursday March 17 - No Class, Spring Break
- Thursday May 5 - Last Class

About me ...

- Mark F. Russo, Ph.D.
- Ph.D. Biochemical Engineering
- Assoc. Director, Computational Genomics, Bristol-Myers Squibb
- Office Hours: (by appointment)
- E-mail: russom@tcnj.edu, russomf@gmail.com
 - e-mail is the best way to contact me

Rules

- Come to class. Be on time.
- You must be present for all quizzes and exams.
- All assignments are to be handed in prior to deadline.
 - Up to 1 day late: -10%
 - Up to 2 days late: -20%
 - Up to 3 days late: -30%
 - More than 3 days late: 0%
- All work MUST be your own original work.
 - not your friend's, not the Internet's, ...
- You must abide by the College's academic integrity policy.
 - <http://academicaffairs.pages.tcnj.edu/college-governance/policies/academic-integrity/>
- Academic dishonesty will result in...
 - failing grade for assignment, class, suspension or dismissal.

Grades

	<u>Points</u>	<u>%</u>
• Labs (×10)	100	20%
• Projects (×4)	60	30%
• Quizzes (×6)*	50	10%
• Exam 1	100	20%
• Exam 2	100	<u>20%</u>
	Total:	100%

(*Drop the lowest)

%	Grade
93 .. 100	A
90 .. 93	A-
87 .. 90	B+
83 .. 87	B
80 .. 83	B-
77 .. 80	C+
73 .. 77	C
70 .. 73	C-
67 .. 70	D+
63 .. 67	D
60 .. 63	D-
0 .. 60	F

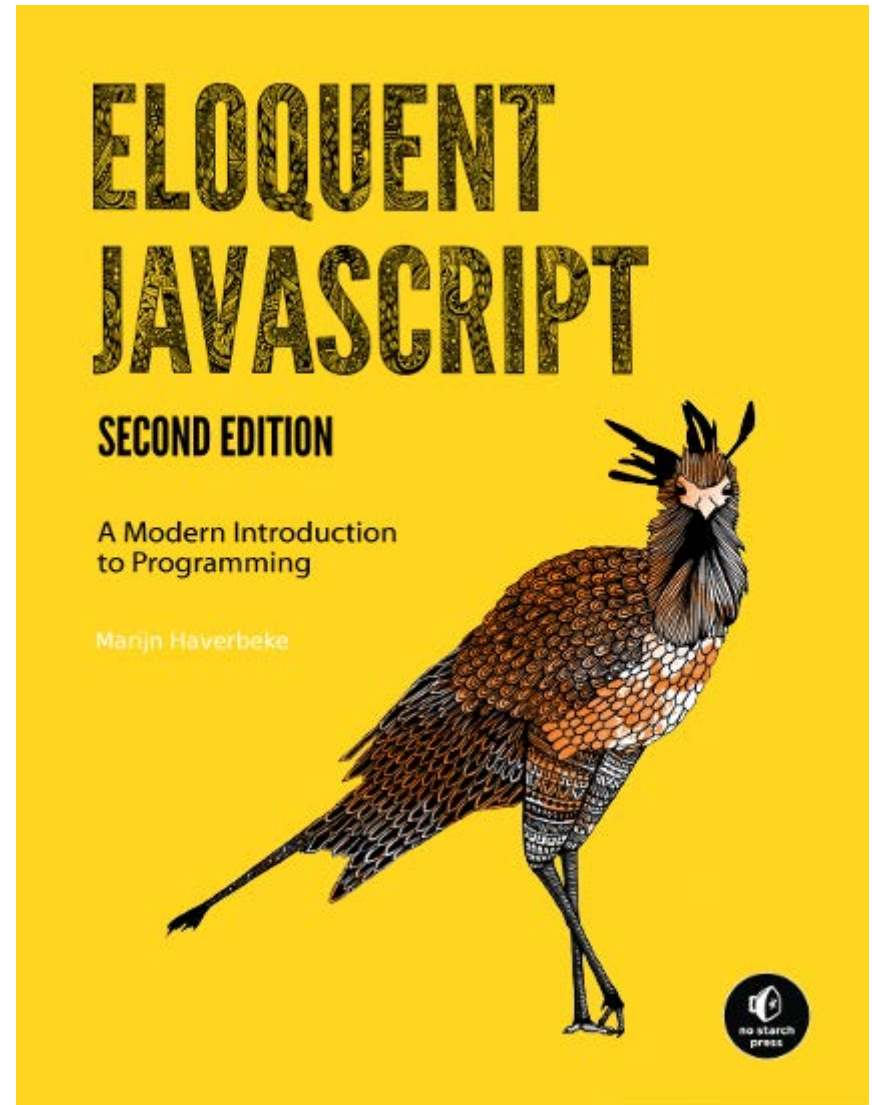
Textbook

Eloquent JavaScript *second edition*

<http://eloquentjavascript.net/>

Written by Marijn Haverbeke.

Licensed under a Creative Commons attribution-noncommercial license. All code in this book may also be considered licensed under an MIT license.



* Several additional readings will be assigned toward the end of the semester.

Labs

- 10 labs in total (~1 per week)
- Labs begin once all lecture material is complete
- Lab files must be submitted on Canvas
- Labs must be submitted by due date

Projects

- 4 Projects
- May work on projects during lab periods or on your own
- Will bring together multiple skills learned during labs

Quizzes

- 6 quizzes in total
- You may drop the lowest quiz grade
- Short answer, multiple choice, matching, ...
- On paper
- 10-15 minutes in duration
- Will take place at the start of class on the day scheduled

Exams

- 2 Exams
- Exam 1 will take place in class
- Exam 2 will take place during exam period
- You may bring one sheet of paper with notes
 - 8 ½" x 11", front and back
- There will be reviews prior to both exams

Topics

- Background
- Firefox Developer Tools
- JavaScript – A programming languages perspective
 - Dynamically Typed
 - Object Oriented
 - Functional
 - Prototypal Inheritance
 - In the context of a browser
- Browser Technologies
 - Graphics – multiple technologies
 - Multitasking and Asynchronous Computations
 - Data Storage
 - Networking