## Week One : Introduction to JavaScript

**Welcome and Frequently Asked Questions**

**How this course works**

**Welcome**

* **Key to success in this course is writing code**
* Read extra materials
* Change video speed if needed
* Assessment
* Optional materials
* “Passing” the course

**A passing grade is**

* 80% for each of the quizzed
* 70% for the assignment

**1.1 Introduction**

* To learn we have to practice and make mistakes, if we don’t do mistakes, we aren’t learning.

**Lecture Materials**

**Link to all the code for week one**

**The Document Object Model (DOM)**

The interest of JavaScript is that it works so well with the DOM tree structure

**1.2 DOM Review with Object Oriented Programming**

* Tree structure
* Accessing the DOM is done with an API – Application Programming Interface (always the same no matter which browser we use).
* The goal here is not to understand all information now but later when we have finished this course.

**1.3 Output**

**Trying to Create and Debug Your Own Output**

**1.4 Variables**

* JavaScript is a non-typed programming language (lots of flexibility with the type choice)
* Try to learn to identify what is the type returned by the API we use

**1.5 Data Types**

**1.6 Operators and Expressions**

To write a good code, it’s not enough to know the syntax.  
We should focus on:

1. **Understand the logic behind** the code before writing code

It will allow us to write much cleaner code

1. Practicing the learned concepts

**Assessment**

**Optional Material/Resources**

The History of “Debugging”

http://theinstitute.ieee.org/tech-history/technology-history/did-you-know-edison-coined-the-term-bug