

CS 106AJ Calendar

Monday	Wednesday	Friday
September 24 Administration Course overview Meet Karel the Robot	26 Simple Karel programs Control structures in Karel Read: Sections 1.1-1.3	28 Program decomposition The idea of an algorithm Read: Sections 1.4-1.5
October 1 Variables and values Arithmetic expressions Functions Strings and concatenation Read: Sections 2.1-2.5	3 Programs in JavaScript JavaScript and the web Simple graphics Read: Sections 2.6, 3.1-3.5	5 Control statements Boolean data Read: Sections 4.1-4.5
October 8 Arguments and parameters Libraries Random numbers Due: HW #1 (Karel) Read: Sections 5.1-5.3	10 The mechanics of functions Decomposition Due: Karel contest Read: Sections 5.4-5.5	12 First-class functions Event-driven programming Responding to mouse events Read: Sections 6.1-6.4
October 15 Simple animation Timers Due: HW #2 (Simple JS) Read: Section 6.5	17 The <code>GArc</code> class The <code>GPolygon</code> class The <code>GCompound</code> class Read: Section 6.6	19 Binary representation Representing characters Read: Section 7.1
October 22 JavaScript's <code>string</code> class Common string patterns Read: Sections 7.2-7.4	24 Problem-solving with strings String applications Read: Section 7.5	26 Cryptography Due: HW #3 (Breakout) Read: Section 7.6

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October 29 Debugging strategies <i>Due: Graphics contest</i>	31 Simple arrays Read: Sections 8.1-8.2	November 2 Using arrays for tabulation Read: Section 8.3
November 5 Multidimensional arrays Pixel arrays The <code>GImage</code> class <i>Due: HW #4 (HangKarel)</i> Read: Sections 8.4-8.6	7 Objects as aggregates Objects as maps Read: Sections 9.1-9.2	9 JavaScript and OOP Libraries and interfaces Defining classes and methods Read: Section 9.3-9.5
November 12 Designing data structures Token scanners Efficiency and representation Read: Sections 10.1-10.4	14 JavaScript and the Web Connecting HTML and JavaScript Read: Sections 12.1-12.4	16 Data driven programs Storing data in HTML files <i>Due: HW #5 (Enigma)</i> Read: Section 12.5
November 26 Overview of Adventure! Read: Adventure handout	28 Special topics Read: TBD	30 Special topics Read: TBD
December 3 Special topics Read: TBD	5 Special topics Read: TBD	7 Special topics <i>Due: HW #6 (Adventure)</i> <i>Due: Adventure contest</i>