

# **The Art Institute of California - Hollywood**

## **Course Syllabus**

**Course Number:** GWDA123  
**Course Title:** Programming Logic

**Class Meetings:** Monday 1:00pm to 5:00pm  
**Session/Year:** Summer/2016  
**Instructor Name:** Håkon (Hawk) Engvig  
**Email Address:** [HakonTeaching@gmail.com](mailto:HakonTeaching@gmail.com)

**MAKE SURE** that your name, the school, our class title, and the time of class is in the email.

**No Class Meeting:** 9/5 (Holiday)

### **Programming Logic**

**Course Prerequisite(s):** *GWDA133: Web Design Fundamentals.*

#### **Course Description:**

Students acquire basic programming skills needed to design, develop, and produce practical applications with a specific scripting or programming language. The course addresses sound programming practices, structured logic, and object-oriented concepts, including methods, properties, events, and handlers.

#### **Learning Objectives:**

Upon successful completion of the course, the student should be able to:

##### ***Identify the components of programming logic***

- Demonstrate fundamental competency with planning logic, pseudo statements, variables, and data types
- Explain structure, sequences, selection and loops

##### ***Employ AND logic and OR logic through decisions decision making***

- Construct a simple program using an object oriented programming language with conditional statements
- Utilize looping and counters in a program
- Use arrays and methods

##### ***Develop script programs and debugging skills***

- Utilize sound programming (commenting, indenting, use of white space)
- Explain how scripts are included, handled and processed by browsers
- Research written script and locate possible errors

#### **Text(s):**

**JavaScript and JQuery: Interactive Front-End Web Development**

Author: Jon Duckett

Publisher: Wiley

ISBN-13: 978-1118531648

**Instructional Materials and Reference:****Hardware**

Modern Mac or PC virus free, Portable storage device (2GB or more)

**Software**

Plain text program (text wrangler, sublime text, etc.), Internet browser (Chrome, Firefox, Safari, etc.), Photoshop (CS6 or higher).

*Additional resources and requirements may be announced.*

<b>Course Length:</b>	10 Weeks
<b>Contact Hours:</b>	40 Hours
<b>Lecture:</b>	20 Hours
<b>Lab:</b>	20 Hours
<b>Credit Values:</b>	3.0 Credits

**Quarter Credit Hour Definition:**

A quarter credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:

- (1) One hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for 10-12 weeks, or the equivalent amount of work over a different amount of time; or
- (2) At least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

**Estimated Homework Hours:** 4 Hours

**Grading Scale:** All assignments must have clear criteria and objectives to meet. All students shall be treated equitably. It will be that student's right to know his/her grade at any reasonable point that information is requested by that student. The criteria for determining a student's grade shall be as follows (on a percentage of total point's basis):

Grade	Grading Scale	Grade Calculations
<b>A</b>	100 – 93	4.0 points
<b>A-</b>	92 – 90	3.7 points
<b>B+</b>	89 – 87	3.4 points
<b>B</b>	86 – 83	3.0 points
<b>B-</b>	82 – 80	2.7 points
<b>C+</b>	79 – 77	2.4 points
<b>C</b>	76 - 73	2.0 points
<b>C-</b>	72 – 70	1.7 points
<b>D+</b>	69 – 65	1.4 points
<b>D</b>	64 – 60	1.0 points
<b>F</b>	59 and below	0.0 points

## Additional Letter Codes

TR	= External Transfer Credit
P	= Proficiency Credit by Exam or Portfolio
W	= Withdraw from Course
WF	= Withdraw from Failing from Course

<b>A</b>	Student performs in an outstanding way. Student exhibits excellent achievement and craftsmanship in all work. Student exceeds the design criteria and challenges him/herself to seek fresh solutions to design problems. Student exhibits commitment to expanding ideas, vocabulary and performance.
<b>B</b>	Student performs beyond the requirement of the assignments. Student exhibits above average progress and craftsmanship. Student meets and exceeds the design criteria. Student exhibits above average interest in expanding ideas, vocabulary and performance.
<b>C</b>	Criteria of assignment are met, and all requirements are fulfilled. Student exhibits average progress and improvement. Student spends the minimum time and effort on the assignments. Student exhibits moderate interest in expanding ideas, vocabulary and performance.
<b>D</b>	Student performance is uneven, and requirements are partially fulfilled. Student exhibits minimal output and improvement in work. Student does not meet the design criteria in all assignments. Student exhibits minimal interest in expanding ideas, vocabulary and performance. Student's attendance, participation and class involvement is less than adequate.
<b>F</b>	Student fails to meet a minimum of performance levels. Student does not exhibit achievement, progress or adequate levels of craftsmanship in any assignment. Student work is consistently incomplete or unsuccessful. Student's attendance, participation and class involvement is inadequate.

## Attendance Policy:

Developing and maintaining a good class attendance record is an important facet of each student's professional development. The attendance record is included in the student's transcript and permanent file.

A student is expected to attend all classes as scheduled, on time, and to remain in the classes for the full duration, including instructional activities that may occur at an off-campus location appropriate for the particular activity. Outside employment is not to be scheduled during class hours. Art Institute of California Hollywood reserves the right to schedule or reschedule students and/or classes at any time necessary to accommodate classroom and facility usage needs. There are no excused absences. However, it is recognized that a student may be absent from class due to serious illness or family emergency. Documented absences of this nature will be considered prior to attendance suspension or termination.

**Withdraw from Course ("W"):** A student in the Bachelor's and Associate of Science degree programs who withdraws from a course or from the program after the schedule adjustment period and before Week 10 of the quarter will be assigned a "W" code for each course. The "W" code is not used in the computation of the student's grade point average. There are no tuition refunds for course withdrawals after the end of the schedule adjustment period. If you are withdrawing from the program, see the Refund Policy.

**Attendance Withdrawal:** Students who do not attend any classes for fourteen (14) consecutive calendar days, or fail to notify the Academic Affairs Department, may be withdrawn from school. Grades will be recorded in accordance with the Course Withdrawal Policy. In addition, the student may be involuntarily withdrawn at the discretion of the Academic Department Director, and with the approval of the Dean of Academic Affairs, at any time.

**Withdraw from Failing from Course (“WF”):** A student in the Bachelor’s and Associate of Science degree programs who withdraws from a course or from the program during Weeks 10 and 11 will be assigned a “WF” code for each course. The “WF” code is used in the computation of the grade point average. There are no tuition refunds for course withdrawals after the end of the schedule adjustment period. If you are withdrawing from the program, see the Refund Policy.

**Tutoring Services:** Tutoring services are available free of charge to all students in many areas of study. For information about Tutoring services, contact the Academic Advisors on the 3<sup>rd</sup> floor. After signing up, you will be contacted by the tutor to set up a time and date to meet.

**Student Evaluation/Grading Policies:**

- Class time will be spent in a productive manner.
- Grading will be done on a point system.
- Points for individual activities will be announced.
- All work must be received by the set deadlines. Late work grading is at the discretion of the instructor and may receive a grade of 0.
- ABSOLUTELY NO WORK WILL BE ACCEPTED AFTER THE FINAL CLASS MEETS WEEK 11.

**Classroom Policy:**

- No food allowed in class or lab at any time. No exceptions.
- Edible items brought to class or lab must be thrown out.
- If student elects to eat/drink outside class or lab door, missed time is recorded as absent.
- Break times are scheduled by the instructor at appropriate intervals.
- No private software is to be brought to lab or loaded onto school computers.
- No software games are allowed in lab (unless in course curriculum).
- Headphones are if listening to music during lab. No headphones are allowed in lecture.
- Any student who has special needs that may affect his or her performance in this class is asked to identify his/her needs to the instructor in private by the end of the first day of class. Any resulting class performance problems that may arise for those who do not identify their needs will not receive any special grading considerations.

**Teachers Personal Policy:**

**Late work policy**

Late work is NOT accepted.

If you are absent for any reason, you can email me your homework before the begging of class and still get credit for it.

*(HakonTeaching@gmail.com)*

It is also your responsibility to catch up on the missed class work material.

**Extra Credit**

There will be opportunity for ONE extra credit assignment towards the end of the semester. This assignment will replace your lowest graded standard assignment.

**Class break policy**

We usually have a 10 minuet break every hour.

**Plagiarism:** Plagiarism is the academic equivalent of theft, and can occur in any type of course. If you use someone else's words, ideas, facts or work in any way, you must identify them as a source. Duplicating someone else's work and handing it in as your own is intentional plagiarism. Anyone caught plagiarizing material will be required to meet with the Dean of Academic Affairs, and will be subject to immediate disciplinary action. **Plagiarism is grounds for dismissal from school. Instructors must immediately refer suspected cases of plagiarism to the Dean.**

**Disability Policy Statement:** It is not our policy to discriminate against qualified students with documented disabilities in our educational programs, activities, or services. If you have a disability-related need for adjustments or other accommodations in this class, contact the Dean of Student Affairs, at: 818-299-5225 or see him in the 3<sup>rd</sup> floor administrative offices.

## Course Outline

- Week 1:**      **Lecture: Web Review**  
**Lab:** HTML and CSS review and how jQuery fits into the picture  
**Homework:** The 3 Selectors 7%
- Week 2:**      **Lecture: jQuery Basics (animation)**  
**Lab:** A into to jQuery structure (basics, structure and looping)  
**Homework:** Animation 8%
- Week 3:**      **Lecture: jQuery Animation Challenge**  
**Lab:** A challenge/workshop to gain independence with jQuery Animation.  
**Homework:** Online Examples 7%
- Week 4:**      **Lecture: jQuery Slideshows**  
**Lab:** The practical and popular slide show (anonymous function and variables)  
**Homework:** Slideshows 8%
- Week 5:**      **Week 5 Grades and Conferences**  
**Lecture: jQuery Slideshows Challenge**  
**Lab:** A challenge/workshop to gain independence with a jQuery Slideshow.  
**Homework:** Final Concept 7%
- Week 6:**      **Lecture: The Light Box**  
**Lab:** The ever-popular lightbox (this and concatenating)  
**Homework:** Light Box 8%
- Week 7:**      **Lecture: The Light Box Challenge**  
**Lab:** A challenge/workshop to gain independence with a jQuery Slideshow.  
**Homework:** Final Design 7%
- Week 8:**      **Lecture: jQuery If Statement**  
**Lab:** jQuery if and else statements.  
**Homework:** Final Project: Coding Start. 7%
- Week 9:**      **Lecture: Workshop**  
**Lab:** An open workshop to assist you in completing our final project  
**Homework:** Final 30%
- Week 10:**     **Lecture: Completion**  
**Lab:** Evaluations of finals.  
**\*Attendance:** 11%