

**Administration Centre**

2300 Ryan Road, Courtenay, B.C. V9N 8N6  
Tel: (250) 334-5000 FAX: (250) 334-5018  
<http://www.nic.bc.ca>

**Authorized Course Description**

**Course Code: DGL 113**

**TITLE:** Introduction to JavaScript

**FORMAT:** 45 Hours Lecture, 15 Hour Lab

**CREDITS:** 3 Credits

**LEVEL:** 1<sup>st</sup> Year

**DESCRIPTION:** This course will continue on the web skill development started with DGL 103. Topics covered include JavaScript basics, Document Object Model (DOM), DOM manipulation, and use of JavaScript libraries and APIs. A course project is a required component of the course.

**PREREQUISITE(s):** C in DGL 103 or IMG 110

**TRANSFER STATUS:** For most up to date information or to see how this course transfers (if applicable), visit the BCCAT Transfer Guide at [www.bccat.bc.ca](http://www.bccat.bc.ca)

**COURSE CONTENT:**

- JavaScript - Grammar, Logic, and Control Elements
- JavaScript - Working with Browser Windows
- Document Object Model (DOM)
- Browser Object Model (BOM)
- JavaScript Libraries - jQuery
- DOM manipulation and event handling
- JavaScript-Driven Front-End Web Applications
- Working with Special Effects
- Improving Images and Navigation
- Enhancing Web Page Interactive Elements

**LEARNING OUTCOMES:** Upon successful completion of this course, students will be able to use JavaScript to program dynamic features of a website such as:

1. add, remove, and update web content dynamically;
2. test and debug JavaScript using browser tools;
3. effectively use JavaScript libraries such as jQuery;
4. create special effects;
5. program user interactions.

**STUDENT EVALUATION:** This course follows Letter Grade Scale 1. There will be a minimum of three assessments. No one assessment will be worth more than 40% of the course grade. Assessment is based on the following:

	<u>% of Course Mark</u>
Assignments and Projects	50%
Quizzes and Exams	50%

**INSTRUCTOR QUALIFICATIONS:**

Master's degree in appropriate discipline and/or equivalent professional experience, and demonstrated

Last Revised: 2021-01-01  
First Offered: 2008-01-01

DGL 113

Page 1

competencies related to the course curriculum.

**Formerly IMG 111 (revised to DGL 113, 2020-09-01)**