Seneca

WEB301 - Javascript and ReactJS

Faculty of Continuing Education, Winter - 2019

Subject Title

Javascript and ReactJS

Subject Description

This course is designed to provide students with a solid foundation in Javascript, ES6 and the React MVVN framework. Topics include Javascript / ES6 essentials, Command Line usage, local development in ReactJS and integration with Redux.

Learning Outcomes

Upon successful completion of this subject the student will be able to:

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1. Create basic scripts and programs using Javascript
2. Create a Single Page Application (SPA) using the latest version of ReactJS
3. Integrate Redux with a ReactJS Application
4. Understand the basic component structure of the React Framework
5. Utilize node and npm
6. Proper coding practices within the React Framework

Academic Integrity

Seneca upholds a learning community that values academic integrity, honesty, fairness, trust, respect, responsibility and courage. These values enhance Seneca's commitment to deliver high-quality education and teaching excellence, while supporting a positive learning environment. Ensure that you are aware of Seneca's Academic Integrity Policy which can be found at: http://www.senecacollege.ca/about/policies/academic-integrity-policy.html Review section 2 of the policy for details regarding approaches to supporting integrity. Section 2.3 and Appendix B of the policy describe various sanctions that can be applied, if there is suspected academic misconduct (e.g., contract cheating, cheating, falsification, impersonation or plagiarism).

Please visit the Academic Integrity website http://open2.senecac.on.ca/sites/academic-integrity/for-students to understand and learn more about how to prepare and submit work so that it supports academic integrity, and to avoid academic misconduct.

Discrimination/Harassment

All students and employees have the right to study and work in an environment that is free from discrimination and/or harassment. Language or activities that defeat this objective violate the College Policy on Discrimination/Harassment and shall not be tolerated. Information and assistance are available from the Student Conduct Office at student.conduct@senecacollege.ca.

Accommodation for Students with Disabilities

The College will provide reasonable accommodation to students with disabilities in order to promote academic success. If you require accommodation, contact the Counselling and Accessibility Services Office at ext. 22900 to initiate the process for documenting, assessing and implementing your individual accommodation needs.

Topic Outline

- Introduction to Javascript
- Coding in ES6
- Introduction to ReactJS
- Understanding the React architecture
- Debugging in React
- Creating Components
- Presentational vs. Container Components
- Managing State and Props
- Passing Data
- Interacting with APIs

Student Progression and Promotion Policy

Grading Policy

A+	90% to 100%
A	80% to 89%
B+	75% to 79%
B	70% to 74%
C+	65% to 69%
C	60% to 64%
D+	55% to 59%
D	50% to 54%
F	0% to 49% (Not a Pass)
OR	
EXC	Excellent
SAT	Satisfactory
UNSAT	Unsatisfactory

For further information, see a copy of the Academic Policy, available online (http://www.senecacollege.ca/about/policies/academics-and-student-services.html) or at Seneca's Registrar's Offices.

Registrar's office

Modes of Evaluation

Project 1	50%
Project 2	50%
Total	100%

Seneca College of Applied Arts and Technology