

Fall Semester 2021 Topics & Assignments

Mobile App Design and Computer Coding

Graphic Design	Assignments
<ul style="list-style-type: none"> • Color theory and Hex colors • Pixels, Points, and other measurements • Target Audience • Intellectual Property • Image File Formats 	<ul style="list-style-type: none"> • Color scheme • Target audience • Project Proposal • Group project: Logo • Navigation Icons
Web Development	Assignments
<ul style="list-style-type: none"> • Basic HTML and HTML Tables • CSS (styles) • Responsive Design (mobile) 	<ul style="list-style-type: none"> • Current Events web page • Portfolio web site with linked pages • Table of Mac key shortcuts
JavaScript (Coding)	Assignments
<ul style="list-style-type: none"> • Constants and Variables • Expressions and Statements • Functions • Conditionals • Loops and Arrays • Strings • Document-Object Model 	<ul style="list-style-type: none"> • Web pages with dynamic data • Web pages with user interaction • Web pages with consistent navigation
SVG	Assignments
<ul style="list-style-type: none"> • Shapes (rectangle, circle, polygon) • Text, Curves, Paths, Groups • Gradients • Clipping paths • Transforms: translate, rotate, scale 	<ul style="list-style-type: none"> • Copy an existing icon; create an original icon • Draw an animated basketball • Draw a 3-D molecular model • Shapes with user input
Adobe Illustrator	Assignments
<ul style="list-style-type: none"> • Shapes (rectangle, circle, polygon) • Text • Pen Tool • Align tool • Pathfinder tool 	<ul style="list-style-type: none"> • Navigation Icons • Business Card • Gear • Apple • Logo for a business • Poster
Other Topics	Assignments
<ul style="list-style-type: none"> • Reading, Writing, and Research • Math • Employability • Technology 	<ul style="list-style-type: none"> • Project proposal • App ideas • Personality tests