* SECTION 1 to be completed by CURRICULUM AUTHOR
* SECTION 2 to be completed by CHAIR/DIRECTOR
* SECTION 3 to be completed by DEAN
* SECTION 4 to be completed by REGISTRAR & STAFF

**SUBMIT TO AREA ADMIN. ASSISTANT AFTER SECTIONS 1-4 ARE COMPLETE TO BEGIN SIGNATURE PORTION OF THE PROCESS.**

* SECTION 5 to be completed by CURRICULUM COUNCIL CHAIR & RECORDER
* SECTION 6 to be completed by VPI

| **SECTION 1: AUTHOR** | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| New, Change or Archive? | | | Modify/Change | | | **Rationale/reasons for this request:**  1. Variable credit - background and justification attached  2. Update Title and MCO for accuracy and relevance | | | | | | |
| Effective Quarter: | | | Fall 2024 | | |
| If proposed course will replace current, when do we archive current course? | | | Choose an item. | | |
| **CURRENT** | | | | | | **PROPOSED** | | | | | | |
| Subject and Catalog # | | | | | | | | | | | | |
| Course Subject and Number: | | | CS 262 | | | Course Subject and Number: | | | -unchanged- | | | |
| ctcLink Course Number: | | | 192083 | | | ctcLink Course Number: | | | -unchanged- | | | |
| Short Course Title (limit 30 characters) | | | | | | | | | | | | |
| Responsive Web Design and Technology | | | | | | Developer Workflow Tools | | | | | | |
| Long Course Title | | | | | | | | | | | | |
| -unchanged- | | | | | | -unchanged- | | | | | | |
| Course Description | | | | | | | | | | | | |
| Responsive Web Design is an intermediate-level web development course focusing on the design of interfaces that respond intelligently to a wide variety of device limitations. Students will learn the coding methods and technologies required to create adaptable web site designs and practice building fluid interfaces that effectively convey a given message regardless of a user device size and type. | | | | | | Developer tooling allows web developers to offload much of the routine, tedious work of code optimization, file preparation and deployment to an intelligent, automatic workflow. Students optimize and deploy websites by configuring and maintaining dev-tooling pipelines. Style preprocessors and frameworks accelerate the creation and simplify the maintenance of design systems. Students construct design systems for web sites by extending Cascading Style Sheets (CSS) with style preprocessors and frameworks. Content Management Systems (CMS) allow websites to be managed by a web-based centralized interface. Students configure a website using popular CMS platforms. | | | | | | |
| Course Learning Outcomes | | | | | | | | | | | | |
| * Explain how interfaces that adapt to a wide variety of user devices can improve audience response to better achieve desired goals. * Compose code with latest versions of HTML, CSS, jQuery SASS to design responsive web interfaces. * Evaluate suitability of open-source libraries, frameworks, design-patterns and collaborative tools to a determine their suitability to a particular web project. * Develop a cohesive site-design and build-strategy. * Build responsive websites efficiently selecting from available technologies. | | | | | | * Utilize a version control system to manage a codebase. * Employ the basics of Node Package Manager (NPM) and node modules. * Create and configure a custom dev-tooling workflow with a module bundler. * Build responsive design systems that utilize a preprocessor and/or atomic CSS. * Replicate existing websites using comprehensive dev-tooling, pre/post preprocessing and atomic CSS. * Install and administer a Content Management System to manage a website. | | | | | | |
| Course Topics | | | | | | | | | | | | |
| * Intermediate HTML & CSS * Responsive breakpoints, Typography, Images and Grids * Extending Javascript with jQuery and other libraries * Extending CSS with SASS * Leveraging responsive design with frameworks | | | | | | * Distributed Version control (GIT) * CSS Preprocessing with SASS or equivalent * Module management with Node Package Manager (NPM) * Dev workflow bundling with Webpack or equivalent * Atomic CSS with Tailwind or equivalent * Website replication * Content Management System setup with Wordpress | | | | | | |
| Total Credits/Variable Credit | | | | | | | | | | | | |
| Minimum: | 5 | | Maximum: | | 5 | Minimum: | 1 | | Maximum: | | 5 | |
| Course Components | | | | | | | | | | | | |
| Course Components: | | | LEC | | | Course Components: | | | LEC | | | |
| Quarters Offered | | | | | | | | | | | | |
| Year 1 (list quarters): | | | -unchanged- | | | Year 1 (list quarters): | | | -unchanged- | | | |
| Year 2 (list quarters): | | | -unchanged- | | | Year 2 (list quarters): | | | -unchanged- | | | |
| Miscellaneous | | | | | | | | | | | | |
| Permit Open Entry/Exit? | | | | No | | Permit Open Entry/Exit? | | | | No | | |
| Grading Basis: | | | | Graded | | Grading Basis: | | | | Graded | | |
| Instructor/dept. consent required? | | | | Choose an item. | | Instructor/dept. consent required? | | | | No Consent | | |
| Hide from Class Search? | | | | Choose an item. | | Hide from Class Search? | | | | Visible in Search | | |
| ***Approved By:*** | |  | | | | ***Date:*** | |  | | | |

| **SECTION 2: CHAIR/DIRECTOR** | | | |
| --- | --- | --- | --- |
| Enrollment Requirements & Equivalencies | | | |
| Prerequisite: |  | Pre-requisite: |  |
| Co-requisite: |  | Co-requisite: |  |
| Equivalencies: |  | Equivalencies: |  |
| Cross-Listed Courses: |  | Cross-Listed Courses: |  |
| *Notes and comments:* | | | |
| ***Approved By:*** |  | ***Date:*** |  |

| **SECTION 3: DEAN** | | | | | | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **CURRENT** | | | | | | | | **PROPOSED** | | | | | | | | | | |
| CONFIRM: Total Credits/Variable Credit | | | | | | | | | | | | | | | | | | |
| Minimum: |  | | Maximum: | |  | | | Minimum: |  | | Maximum: | | | |  | | | |
| Components & Credit-to-Hour Details | | | | | | | | | | | | | | | | | | |
|  | | | | CR | |  | HRS |  | | | | | CR | | |  | HRS | |
| LEC/[Theory](https://www.sbctc.edu/colleges-staff/policies-rules/policy-manual/chapter-5.aspx) (1 CR = 1 hour/week): | | | |  | | x1= |  | LEC/[Theory](https://www.sbctc.edu/colleges-staff/policies-rules/policy-manual/chapter-5.aspx) (1 CR = 1 hour/week): | | | | |  | | | x1= |  | |
| LAB/Guided Practice (1 CR = 2 hours/week): | | | |  | | x2= |  | LAB/Guided Practice (1 CR = 2 hours/week): | | | | |  | | | x2= |  | |
| CLIN/Field-Based (1 CR = 3 hours/week): | | | |  | | x3= |  | CLIN/Field-Based (1 CR = 3 hours/week): | | | | |  | | | x3= |  | |
| Total Credits & Weekly Contact Hours: | | | |  | |  |  | Total Credits & Weekly Contact Hours: | | | | |  | | |  |  | |
| Coding & Financials | | | | | | | | | | | | | | | | | | |
| [CIP](https://www.sbctc.edu/resources/documents/colleges-staff/data-services/data-warehouse/cip-2020-descriptions.pdf) Code: | | |  | | | | | [CIP](https://www.sbctc.edu/resources/documents/colleges-staff/data-services/data-warehouse/cip-2020-descriptions.pdf) Code: | | | |  | | | | | | |
| Default Section Size/Cap: | | |  | | | | | Default Section Size/Cap: | | | |  | | | | | | |
| Course Attributes: | | | Choose an item. | | | | | Course Attributes: | | | | Choose an item. | | | | | |
| Course Attributes: | | | Choose an item. | | | | | Course Attributes: | | | | Choose an item. | | | | | |
| Course Attributes: | | | Choose an item. | | | | | Course Attributes: | | | | Choose an item. | | | | | |
| Fees identified/requested: | | |  | | | | | Fees identified/requested: | | | |  | | | | | | |
| Does a budget exist for this subject? | | | Choose an item. | | | | | Does a budget exist for this subject? | | | | Choose an item. | | | | | | |
| Dean is required to present course to applicable instructional faculty (all campuses) for consideration. Date Presented: | | | | | | | | | | | | | |  | | | | |
| *Notes and comments:* | | | | | | | | | | | | | | | | | | |
| ***Approved By:*** | |  | | | | | | ***Date:*** | |  | | | | | | | | |

| **SECTION 4: REGISTRAR** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **CURRENT** | | **PROPOSED** | | | |
| Coding & Attributes | | | | | |
| Academic Group: | Choose an item. | | Academic Group: | Choose an item. | |
| Academic Org: | Choose an item. | | Academic Org: | Choose an item. | |
| Funding Source: | Choose an item. | | Funding Source: | Choose an item. | |
| Intent: | Choose an item. | | Intent: | Choose an item. | |
| Mult Enrl in Term: | Choose an item. | | Mult Enrl in Term: | Choose an item. | |
| # Completions Allowed: | Choose an item. | | # Completions Allowed: | | Choose an item. | |
| Enrollment Req Group: |  | | Enrollment Req Group: |  | |
| *Notes and comments:* | | | | | |
| ***Approved By:*** |  | | ***Date:*** |  | |

| **SECTION 5: CURRICULUM COUNCIL** | | | |
| --- | --- | --- | --- |
| ***Date Received by Council:*** |  | ***Notes and comments:*** | |
| ***Curriculum Council Reviewer*** |  |
| ***Recorded Vote:*** |  | ***Date:*** |  |
| ***Curriculum Council Chair:*** |  | ***Date Certified:*** |  |

| **SECTION 6: VICE PRESIDENT OF INSTRUCTION** | | | |
| --- | --- | --- | --- |
| ***Notes and comments:*** | | | |
| ***VP of Instruction:*** |  | ***Date:*** |  |