FLORIDA STATE COLLEGE AT JACKSONVILLE

COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: COP 2822C

COURSE TITLE: Web Technologies

PREREQUISITE(S): COP 1000C

COREQUISITE(S): None

CREDIT HOURS: ~~4~~

CONTACT HOURS/WEEK: 4

CONTACT HOUR BREAKDOWN:

Lecture/Discussion: 3

Laboratory: 1

Other:

FACULTY WORKLOAD POINTS: 4

STANDARDIZED CLASS SIZE ALLOCATION: 24

CATALOG COURSE DESCRIPTION:

This course is designed to provide a thorough working knowledge of Hypertext Markup Language (HTML) programming for Web page and Web site development. The course includes HTML basics; embedded graphics, animation, and sound; hypertext linking; navigation buttons; tables; data entry forms; image maps; embedded code; Cascading Style Sheets; advanced HTML features; Web page and Web site design; and documentation.

SUGGESTED TEXT(S): Carey, Patrick, *New Perspectives on HTML5, CSS3, and JavaScript***.** Latest edition, Cengage

Boehm, Ann and Zak Ruvalcaba, *Murach’s HTML5 and CSS3***.** Latest edition, Mike Murach & Associates, Inc.

Delameter, Mary and Zak Ruvalcaba, *Murach’s JavaScript and jQuery***.** Latest edition, Mike Murach & Associates, Inc.

IMPLEMENTATION DATE: Fall Term, 2001

REVIEW OR MODIFICATION DATE: Fall Term, 2002 (20031)

Fall Term, 2007 (20081)

Fall Term, 2008 (20091) – Outline Review 2007

Fall Term, 2015 (20161) – Outline Review 14-15

Fall Term 2018 (2188) – Proposal 2018-32/Amend 01

Fall Term 2019 (2198) – Proposal 2019-15

COURSE TOPICS CONTACT HOURS

PER TOPIC

I. HTML Basics 3

A. HTML Structure

B. HTML Tags

C. HTML Standards

D. Popular Browsers

II. Web Page Design 3

A. Top Level Design

B. Detail Design

C. Navigation Design

D. Content Design

III. Background Images and Colors 2

A. Background Colors

B. Background Images

IV. Graphics Animation and Sound 3

A. GIF and JPG Graphics

B. Animated GIFs

C. Embedded Sound

V. Linked Web Sites 3

A. External Links

B. Internal Linked Pages

C. Anchor Links

D. Creating Navigation Buttons

VI. HTML Tables 5

A. Table Tags

B. Tables for Information

C. Tables for Design

VII. HTML Forms 3

A. Form Tags

B. Data Entry Forms

C. Surveys

D. Guest books

VIII. Advanced HTML Forms 3

A. E-mail of Forms Information

B. Processing Forms Information

IX. Image maps 3

A. Designing Image maps

B. Image maps for Navigation

X. Responsive Web Design 3

COURSE TOPICS (Continued) CONTACT HOURS

PER TOPIC

XI. Embedded Code 5

A. JavaScript

B. Scripting Languages

XII. Controlling Fonts 2

A. Font Tag

B. Embedding Fonts

XIII. Cascading Style Sheets (CSS) 3

A. CSS Tags

B. CSS Design Features

XIV. HTML Advanced Features 2

A. Advanced Features as They Evolve

XV. HTML Documentation and Validation 2

A. HTML Versions and Validation Sites

B. HTML Documentation Methods

XVI. Laboratory Projects 15

|  |  |
| --- | --- |
| **Florida State College at Jacksonville** | **Course Learning Outcomes and Assessment** |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SECTION 1** | | | | | | | | | | | | | | | | | | | | | | | |
| Course Prefix and Number: | | | | | COP 2822C | | | | | | | | | | Semester Credit Hours (Credit): | | | | | | | | 4 |
| Contact Hours (Workforce): | | | | | | | |  |
| Course Title: | | | | | Web Technologies | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | |
| **SECTION 2a *(To be completed for General Education courses only.)*** | | | | | | | | | | | | | | | | | | | | | | | |
| ***TYPE OF COURSE (Place an “X” in the box next to those that are applicable.)*** | | | | | | | | | | | | | | | | | | | | | | | |
|  | General Education Core (If selected, core discipline area will be identified in Section 4.) | | | | | | | | | | | | | | | | | | | | | | |
|  | General Education (If selected, you must also complete Section 4, Section 5, and Section 8) | | | | | | | | | | | | | | | | | | | | | | |
| **SECTION 2b** | | | | | | | | | | | | | | | | | | | | | | | |
| ***TYPE OF COURSE (Place an “X” in the box next to those that are applicable.)*** | | | | | | | | | | | | | | | | | | | | | | | |
|  | A.A. Elective | | | | | | | X | | A.S. Required Course | | | | | | | | |  | A.S. Professional Elective | | | |
|  | A.A.S. Required Course | | | | | | |  | | A.A.S. Professional Elective | | | | | | | | | X | Technical Certificate | | | |
|  | PSAV/Clock Hour/Workforce | | | | | | |  | | Development Education | | | | | | | | |  | Apprenticeship | | | |
|  | Upper Division/Bachelors | | | | | | |  | | Other: | | If selected, use this space to title “other” option. | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | |
| **SECTION 3** | | | | | | | | | | | | | | | | | | | | | | | |
| ***INTELLECTUAL COMPETENCIES (Place an “X” in the box next to those that are applicable.)*** | | | | | | | | | | | | | | | | | | | | | | | |
|  | | Reading |  | Speaking | | |  | | Critical Analysis | | | | |  | | | Qualitative Skills | | | |  | Scientific Method of Inquiry | |
|  | | Writing |  | Listening | | |  | | Information Literacy | | | | |  | | | Ethical Judgement | | | |  | Working Collaboratively | |
|  | | | | | | | | | | | | | | | | | | | | | | | |
| **SECTION 4 *(To be completed for General Education courses only.)*** | | | | | | | | | | | | | | | | | | | | | | | |
| ***GENERAL EDUCATION DISCIPLINE AREA (Place an “X” in the box next to those that are applicable.)*** | | | | | | | | | | | | | | | | | | | | | | | |
|  | Communications | | | | |  | | | | Humanities | | |  | | | Mathematics | | | | | | | |
|  | Social and Behavioral Sciences | | | | | | | | | | | |  | | | Natural Sciences | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | |
| **SECTION 5 *(To be completed for General Education courses only.)*** | | | | | | | | | | | | | | | | | | | | | | | |
| ***GENERAL EDUCATION LEARNING OUTCOME AREA (Place an “X” in the box next to those that are applicable.)*** | | | | | | | | | | | | | | | | | | | | | | | |
|  | Communication | | | | |  | | | | Critical Thinking | | |  | | | Information Literacy | | | | | | | |
|  | Scientific and Quantitative Reasoning | | | | | | | | | | | |  | | | Global Sociocultural Responsibility | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | |
| **SECTION 6** | | | | | | | | | | | | | | | | | | | | | | | |
| ***LEARNING OUTCOMES*** | | | | | | | | | | | ***TYPE OF OUTCOME***  ***(General Education, Course or Program)*** | | | | | | | ***METHOD OF ASSESSMENT*** | | | | | |
| Demonstrate proficiency with web design. | | | | | | | | | | | Course | | | | | | | Authentic Learning Tasks, exams | | | | | |
| Demonstrate proficiency with HTML markup | | | | | | | | | | | Course | | | | | | | Authentic Learning Tasks, Written report, exams | | | | | |
| Demonstrate proficiency with CSS | | | | | | | | | | | Course | | | | | | | Written report, exams | | | | | |
| Demonstrate proficiency with JavaScript. including the use of variables, arrays, conditional expressions, loops, and events | | | | | | | | | | | Course | | | | | | | Written report, exams | | | | | |
| Demonstrate proficiency with web graphics | | | | | | | | | | | Course | | | | | | | Authentic Learning Tasks | | | | | |
| Develop web pages with text, graphics, tables, forms. | | | | | | | | | | | Course | | | | | | | Authentic Learning Tasks | | | | | |
| Develop e-commerce websites | | | | | | | | | | | Course | | | | | | | Authentic Learning Tasks | | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **SECTION 7** | | | |
| Faculty name(s): | Sebena Masline and Gail Gehrig | Date: | 11/26/2018 |

CS20150615