SYLLABUS

DATE OF LAST REVIEW: 02/2013

CIP CODE: 11.0801

SEMESTER: Departmental Syllabus

COURSE TITLE: JavaScript II

COURSE NUMBER: CIST0242

CREDIT HOURS: 3

INSTRUCTOR: Departmental Syllabus

OFFICE LOCATION: Departmental Syllabus

OFFICE HOURS: Departmental Syllabus

TELEPHONE: Departmental Syllabus

EMAIL: Departmental Syllabus

KCKCC issued email accounts are the official means for electronically communicating with our students.

PREREQUISITE(S): CIST-0152 JavaScript

REQUIRED TEXT AND MATERIALS: Please check with the KCKCC bookstore, http://www.kckccbookstore.com/, for the required texts for your particular class.

COURSE DESCRIPTION:
JavaScript II continues with more advanced uses of JavaScript in Web Page Programming. Students will learn to use JavaScript with Dynamic HTML and use JavaScript with CSS Styles. Students will learn to set and read cookies and be introduced to security concerns with JavaScript. An basic introduction to AJAX will be included.

METHOD OF INSTRUCTION: A variety of instructional methods may be used depending on content area. These include but are not limited to: lecture, multimedia, cooperative/collaborative learning, labs and demonstrations, projects and presentations, speeches, debates, panels, conferencing, performances, and learning experiences outside the classroom. Methodology will be selected to best meet student needs.

COURSE OUTLINE:
I. Debugging JavaScript
   A. Understanding debugging
   B. Error messages
   C. Tracing errors
   D. Using comments to locate bugs
   E. Combining debugging techniques

II. Cookies and Security
   A. Understanding State Information
   B. Saving State Information
   C. Manipulation Strings
   D. Saving State Information with Cookies

III. Introduction to DOM
   A. Creating Dynamic Pages
   B. The document Object Model
   C. The Image Object
   D. Animation with the Image Object
   E. Image caching

IV. Dynamic HTML
   A. JavaScript and CSS
   B. CSS Positioning
   C. DHTML Menus
   D. Checking Browser Compatibility

V. Using AJAX
   A. Introduction to AJAX
   B. AJAX and HTML
   C. Requesting Server Data
   D. Receiving Server Data

EXPECTED LEARNER OUTCOMES:

A. The student will be able to describe debugging.
B. The student will be able to explain the use of cookies.
C. The student will be able to demonstrate the ability to manipulation of strings.
D. The student will be able to review the introduction to DOM.
E. The student will be able to describe image caching
F. The student will be able to describe Dynamic HTML
G. The student will be able to describe AJAX
H. The student will be able to explain checking browser compatibility.

COURSE COMPETENCIES:
Upon successful completion of this course:

*The student will be able to describe debugging.*

1. The student will be able to describe debugging.
2. The student will be able to describe error messages.
3. The student will be able to explain tracing errors.
4. The student will be able to demonstrate how to use comments to locate bugs.
5. The student will be able to explain the ability of combining debugging techniques.

*The student will be able to explain the use of cookies.*

6. The student will be able to explain the use of cookies.
7. The student will be able to explain the use of saving state information.
8. The student will explain how to save state information using cookies.

*The student will be able to demonstrate the ability to manipulation of strings.*

9. The student will be able to demonstrate the ability to manipulation of strings.
10. The student will be able to review the steps to manipulating strings.

*The student will be able to review the introduction to DOM.*

11. The student will be able to review the introduction to DOM.
12. The student will be able to create dynamic pages.
13. The student will explain the document Object Model.
14. The student will be able to describe the image object.
15. The student will be able to demonstrate the use of image object.

*The student will be able to describe image caching.*

16. The student will be able to describe image caching.
17. The student will be able to demonstrate the ability to use image caching.

*The student will be able to describe Dynamic HTML.*

18. The student will be able to describe Dynamic HTML.
19. The student will be able to identify the basic elements JavaScript and CSS.
20. The student will be able to explain a DHTML menu.
21. The student will be able to use CSS positioning in DHTML.

*The student will be able to describe AJAX.*

22. The student will be able to describe AJAX.
23. The student will be able to demonstrate the use of simple AJAX.
24. The student will be able to explain how to request server data.
25. The student will be able to explain how to receive server data.

*The student will be able to explain checking browser compatibility.*

26. The student will be able to explain checking browser compatibility.
27. The student will be able to demonstrate how to check browser compatibility.

**ASSESSMENT OF LEARNER OUTCOMES:**
Student progress is evaluated by means that include, but are not limited to, exams, written assignments, and class participation.

SPECIAL NOTES:
This syllabus is subject to change at the discretion of the instructor. Material included is intended to provide an outline of the course and rules that the instructor will adhere to in evaluating the student’s progress. However, this syllabus is not intended to be a legal contract. Questions regarding the syllabus are welcome any time.

Kansas City Kansas Community College is committed to an appreciation of diversity with respect for the differences among the diverse groups comprising our students, faculty, and staff that is free of bigotry and discrimination. Kansas City Kansas Community College is committed to providing a multicultural education and environment that reflects and respects diversity and that seeks to increase understanding.

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Kansas City Kansas Community College complies with the Americans with Disabilities Act. If you need accommodations due to a documented disability, please contact the Director of the Academic Resource Center at 913-288-7670.