

SYLLABUS

DATE OF LAST REVIEW: 02/2013

CIP CODE: 11.0801

SEMESTER: Departmental Syllabus

COURSE TITLE: Web Graphics and Multimedia

COURSE NUMBER: CIST-0150

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): CIST0137 HTML (Web Page Development).

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

COURSE DESCRIPTION:

This course is an introduction to the basics of graphics for web use. It provides graphic theory and hands-on exercises for web buttons, rollovers, GIFs, JPEGs, PNGs, animated GIFs, web safe color palettes, vector animation, and other web imaging techniques for graphics and design.

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. Graphic Formats
 - A. Gif

- B. JPEG
 - C. PNG
 - D. Bitmap
 - E. Vector
 - F. Exporting to different graphic formats
- II. Web colors
 - A. RGB and HEX and Web safe colors
 - B. HTML color attributes
 - III. Transparency
 - A. Transparent GIFs
 - B. Masking images
 - C. Transparent artwork
 - D. Glows, edges, shadows
 - V. Image maps
 - A. Creating image maps
 - B. Clip-art on the web
 - VI. Buttons
 - A. Beveled and shaped buttons
 - B. Text with buttons
 - VII. Text
 - A. Adjusting different properties of text
 - B. Attaching Text to a Path
 - C. Filters and Gradients
 - D. Spell check text
 - VIII. Alignment
 - A. HTML width and height attributes
 - B. Graphic sizing
 - IX. Working with Vector tools
 - A. Strokes and Fills
 - B. Basic Tools
 - C. Selection Tools
 - X. Web Animation
 - A. Animated GIFS
 - B. Rollovers
 - C. Disjointed Rollovers

EXPECTED LEARNER OUTCOMES:

- A. The student will be able to identify the differences between graphic formats.
- B. The student will be able to create GIF, JPG, and PNG files.
- C. The student will be able to describe the difference between RGB, HEX, and Web safe colors.
- D. The student will be able to create a transparent GIF.
- E. The student will be able to create glows, edges and shadows.
- F. The student will be able to explain what an image map is.

- G. The student will be able to create buttons.
- H. The student will be able to create text with different properties.
- I. The student will be able to explain the width and height attributes of graphics
- J. The student will be able to describe different vector tools.
- K. The student will be able to describe the differences in Web Animation.

COURSE COMPETENCIES:

Upon successful completion of this course:

The student will be able to identify the differences between graphic formats.

1. The student will be able to identify the differences between GIF, JPG, and PNG

The student will be able to create GIF, JPG, and PNG files.

2. The student will be able to create a Gif image.

3. The student will be able to create a PNG image

4. The student will be able to export from one graphic image format to another.

The student will be able to describe the difference between RGB, HEX, and Web safe colors.

5. The student will be able to describe the difference between RGB and HEX colors.

6. The student will be able to describe the use of web safe colors

The student will be able to create a transparent GIF.

7. The student will be able to create a transparent GIF

The student will be able to create glows, edges and shadows.

8. The student will be able to create Gif images with glows, edges, and shadows effects.

9. The student will be able to create a mask effect on an image.

The student will be able to explain what an image map is.

10. The student will be able explain what an image map is.

11. The student will be able to create an image map.

12. The student will be able to import clip art from the web and create an image map from it.

The student will be able to create buttons.

13. The student will be able to create a button

14. The student will be able to create a button with text.

The student will be able to create text with different properties.

15. The student will be able to create text and change it properties.

16. The student will be able to create text and attach it to a path.

17. The student will be able to create text and add filters and gradients.

The student will be able to explain the width and height attributes of graphics.

18. The student will be able to explain the width and height attributes of graphics.

19. The student will be able to create graphics and change the width and height.

The student will be able to describe different vector tools.

20. The student will be able to describe the different vector tools.

21. The student will be able to create objects using the different vector tools.

22. The student will be able to describe the different ways objects can be selected.

23. The student will be able to explain the difference between a stroke and a fill.

The student will be able to describe the differences in Web Animation.

24. The student will be able to describe what an animated GIF is.

25. The student will be able to describe what a rollover is.

26. The student will be able to describe what a disjointed rollover is.

27. The student will be able to create an animated Gif.

28. The student will be able to create a rollover.
29. The student demonstrates ability to submit work on time

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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All enrolled students at Kansas City Kansas Community College are subject to follow all rules, conditions, policies and procedures as described in both the Student Code of Conduct as well as the Student Handbook. All Students are expected to review both of these documents and to understand their responsibilities with regard to academic conduct and policies. The Student Code of Conduct and the Student Handbook can be found on the KCKCC website.