Curriculum Details

Proposed By

Proposed by: vanessa

Course Record ID

685

Entry Type

active

Date Created

November 4, 2011

Notes and Special Changes

Stakeholders Consulted

Dave Maxson, who has taught this course as an experimental course, contributed to this proposal. Math Business Department discussed the proposal and voted to approve the proposal at a department meeting on 10/23/2012.

1. Justification

This course has been offered as experimental several times. We are seeking to make it a part of our regular curriculum. This will strengthen our offerings related to development of websites by adding in the scripting component and creating web apps.

2. Course Alpha

ICS

3. Course Number

207
4. Course Title (long)
Building Web Applications

5. Course Title Short
Building Web Applications

6. Course Credits
3

7. Course Credit Upper Range
0

Repeatable
Will default to 98 (this is how often someone can sign up for the course (not how many times they can apply it to a degree)

8. Course Description
Web Applications introduces programming for the web. Topics include: problem solving; web interactivity for websites; building applications with web authoring languages for markup, styling and scripting; presenting applications for mobile devices.

9. Course Pre-Requisites
"C" or better in ICS 107 or instructor consent

10. Course Co-Requisites

11. Course Recommended Preparation

12. Contact Hours (lecture, lab, lecture/lab)
3 credit hours

13. Department
Mathematics and Business

14. Cross-Listing

15. Course Content


16. Course Competencies

17. Assessments, Tasks, and Grading

Students will be assessed through assigned exercises and projects with a major emphasis on hands-on projects. Standard grading scale will be applied.

Grading Options

Will be set to Banner default

18. Auxiliary Materials and Content

19. Additional Activities outside of class and class time

20. Special Costs connected to the course

21. What are the Student Learning Outcomes?

- Use scripting to build dynamic web applications. - Use styling and markup languages to create simple user interfaces. - Design and create a web application using agile development techniques. - Use scripting functions to optimize web
applications for different devices.

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### 22. Connection between the Course SLOs and the College's General Education Outcomes

GenEd: Make judgments, solve problems, and reach decisions using analytical, critical, and creative thinking skills.

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### 23. How does the proposal connect to the college's strategic plan?

Windward Community College Action Outcomes 4.3 Expand the curriculum that prepares students for nursing, social work, information technology, and other critical workforce shortage areas by adding at least one new course per year. Windward CC Strategic Plan 2.8 Increase the diversity and number of programs offered to or in under served regions by increasing the number and types of programs

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### 24. Describe the staff that will be needed

Current ICS staff will teach the course

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### 25. Describe the facilities that will be needed, including special rooms

Computer lab

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### 26. Describe any other resources that will be needed

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### 27. How will the staff, facilities, and other resources for the course be secured?

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### 28. Certificates

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### 29. Connection to the AA degree

AAElect

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### 30. Maximum Credits Towards an AA Degree

3

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### 31. List any similar classes taught at outside of the UH system
HPU - CSCI 3632 Internet Programming

32. List any similar classes taught at campuses in the UH System.

LCC- ICS136 Introduction to Mobile Device Application Development is similar, but utilizes a programming language and a software development kit to produce an app and is not geared toward websites.

33. How, if at all, is the course intended to count in lieu of a course taught at a four-year campus.

34. How, if at all, is the course similar to upper-division courses in the UH System.

35. How does the course articulate with four-year programs (Gen Ed)?

36. List any articulations between this course and any four-year program.

End of Proposal