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Kennebec Valley Community College

Fairfield, Maine

Syllabus

Business Department

Course Number: BUS212 Credit Hours: 3 Clock Hours: 45

Course Title: Interactive User Interface Design

Prerequisites: BUS203, CPT207

Co-Requisites: None

Instructor:

[Instructor Name]

Voice Mail:

[Phone Number]

E-mail Address:

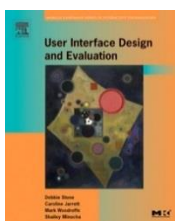
[Email Address]

Office:

Insert office location to include building and room], [include link to campus map]

Campus Map: [link to campus map]

Texts:



User Interface Design & Evaluation

Debbie Stone, Caroline Jarrett, Mark Woodroffe, Shailey Minocha

ISBN: 978-0120884360

Other Materials:

Various online supplements will be used during the progression of class and will be provided as needed on the class [Blackboard](https://blackboard.kvcc.me.edu) page located at: <https://blackboard.kvcc.me.edu>

Course Description:

This course provides a survey of the user interface theories, guidelines, and principles relevant to the design and use of information systems. In addition, the course will introduce database management systems that interact with the user. The goal of the course is for the student to follow the complete systems development life cycle in analyzing, designing, developing, implementing, and evaluating an interactive user interface.

Course Objectives:

Upon successful completion of this course, the student should be able to:

1. define the importance of user interface design
2. explain methods to gather requirements
3. determine the users and their characteristics
4. identify the various environments of interface design
5. describe the four psychological principles and how they relate to user interface design
6. define usability requirements
7. define the areas of conceptual design
8. identify the different interaction styles
9. describe the principles of good layout
10. explain how widgets can be used in interface design
11. identify how designing for the Web impacts interface design
12. evaluate the usability of a user interface
13. describe the process of collecting data
14. conduct a comprehensive evaluation of a user interface
15. explain the benefits of user-centered design

Course Content:

- Introduction
- How to gather requirements: Some techniques to use
- Finding out about the users and the domain
- Finding out about tasks and work
- Requirements Gathering: Knowledge of User Interface Design
- Thinking about requirements and describing them
- Case study on requirements: Tokairo Part 1
- Work Reengineering and Conceptual Design
- Design guidance and design rationale
- Interaction design
- Interaction styles
- Choosing Interaction Elements: Software Components
- Moving from Choosing Components into Design Areas
- Case study on Design: Tokairo Part 2
- Designing a Graphical User Interface
- Designing for the Web
- The Design of Embedded Computer Systems and Small Devices
- Case Study on Requirements, Design and Evaluation
- Why Evaluate the Usability of User Interface Designs
- Deciding on What You Need to Evaluate: The Strategy
- Planning who, what, when, and where
- Deciding How to Collect Data
- Final Preparation for the Evaluation
- Analysis and Interpretation of User Observation Evaluation Data
- Inspections of the User Interface

- Variations and More Comprehensive Evaluations
- Communicating and Using Findings
- Winning and Maintaining Support for User-Centered Design

Course Activities:

Please note: Instructor is open to alternative methods of learning and delivery, please contact the instructor for more information at [insert contact information].

Handouts and Illustrations

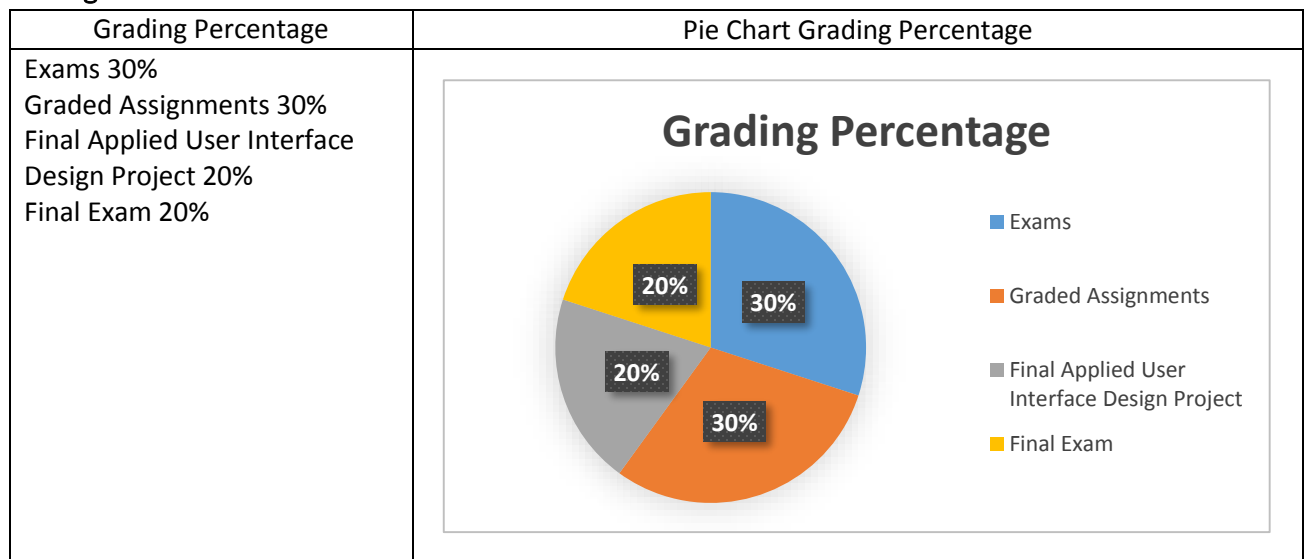
Online power points and lecture notes.

Online exams and graded assignments.

Online Video lectures.

Applied User Interface Design Project

Grading:



Grading Scale:

This course follows the standard Kennebec Valley Community College's grading system. Kennebec Valley Community College utilizes a grading system based on "letter grades" which range from "A" to "F." Letter grades have numerical values which are used to calculate a student's grade point average also known as GPA. The usual scale utilized can be found below, in the College Catalog on page 11 and on Kennebec Valley Community College's website: www.kvcc.me.edu/policies/policy2.12

Letter Grade	Grade Points per Credit	Grade
A	4.00 grade points per credit hour	95-100
A-	3.67 grade points per credit hour	90-94
B+	3.33 grade points per credit hour	87-89
B	3.00 grade points per credit hour	83-86
B-	2.67 grade points per credit hour	80-82

Letter Grade	Grade Points per Credit	Grade
C+	2.33 grade points per credit hour	77-79
C	2.00 grade points per credit hour	73-76
C-	1.67 grade points per credit hour	70-72
D+	1.33 grade points per credit hour	65-69
D	1.00 grade points per credit hour	60-64
F	1.00 grade points per credit hour	Below 60

Attendance Policy:

Recording of attendance is required by school policy and other regulations so a log will be kept. This tracking will occur in the following manner:

1. Students that physically attend class will be marked absent when they are not present during normal class time.
2. Students that attend online will be marked absent if they are not actively participating each week with the online course content, IE posting in discussion forums or taking exams.

Note: No matter the style of absence the student will still be required to submit any assignments or tests within the constraints of the original due date.

Course Requirements:

1. All exams will be delivered through [Blackboard](https://blackboard.kvcc.me.edu/) page located at: <https://blackboard.kvcc.me.edu/> and will consist of scenarios in which students have to build an argument based on the precedents and knowledge that is obtained during lectures. Examples of these questions will be provided before the examinations are begun. Since most of these questions will require students to apply the information gone over in class all exams will be open book. **Students will have a period of one week to finish an exam, after this they will close, and the grades will be finalized. If there are any problems with access or the exam questions then the instructor should be notified in advance of the exams closure.**
2. The final exam will be comprehensive in nature and will be made up of similar questions to the previous tests however they will require the student to use all of the information that has been delivered during the semester. Examples and a study guide will be provided and gone over before the examination. Just as with the other exams, the final will be open book. **Students will have two full weeks to finish the final exam and as with the smaller exams, all issues need to be relayed to the instructor before the end of testing.**
3. **Applied User Interface Design Project** – As part of the Final exam process students will be tasked with the planning the design and structure of a user interface. More information on this project will be provided on [Blackboard](https://blackboard.kvcc.me.edu/) page located at: <https://blackboard.kvcc.me.edu/> and throughout the semester various reporting opportunities will be required to verify that students are proceeding through the sections of this project.
4. To support this project and cement the topics applied in class there will be multiple online graded assignments. These questions are designed to gauge student knowledge but also to show their ability to apply it in a meaningful way. All assignments will be posted online

complete with expectations, examples, and due dates. **Students will have one week to do each assignment and these will open and close automatically to coincide with that chapter or topic in class.**

1. a. Assignments are due on the dates that are listed and should be submitted by those times. If there are any issues or problems, the instructor should be notified in advance so that remedies can be provided. If the student has not made these arrangements and fails to pass in the work then the grade will stand as a zero. The instructor is willing to work with all students to complete assignments and be successful in their class and wishes to be included and sought out when there are problems with assignments and or exams.

Students with Disabilities:

In accordance with state and federal law, this College is committed to assisting qualified students with disabilities achieve their educational goals.

If you are in need of an accommodation in this course:

- Students must contact the Dean of Students located in the Enrollment Services Center in the Frye Building, Room 131. The Dean of Students can be reached by calling [insert phone] or by email: [insert email]
- Students must provide current, appropriate documentation of their disability.
- Students must make a timely request for accommodation to the Dean of Students.
- Accommodations will not be provided until the faculty member receives a request form for accommodations. This form is created with the Dean of Students and is supported by the documentation of said disability.
- Requests for accommodation must be renewed each semester for each course.

This document is available in enlarged print and on audio tape. Please contact the Dean of Students at [insert phone] or by email: [insert email]. More information on Kennebec Valley Community College's ADA Policy can be found online at: www.kvcc.me.edu/ADA

Notice of non-discrimination:

Kennebec Valley Community College does not discriminate on the basis of disability in the admission to, access to, or operation of its programs, services or activities. Students requesting classroom accommodation should be forwarded to the Director of the Marden Center located in King Hall Room 130. The Director of the Marden Center can be reached by calling [insert phone]. Students may also be forwarded to the Dean of Students located in the Enrollment Service Center in the Frye Building Room 131. The Dean of Students can be reached by calling [insert phone]. Complaints about College decisions related to disability accommodations or discrimination must be forwarded to Affirmative Action Officer and ADA Compliance Officer, located in the Enrollment Services Center, Frye Building Room 129, 92 Western Avenue, Fairfield, ME 04937. Contact information is phone: [insert phone] or email [insert email].

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