

Hudson Valley Community College
Troy, New York 12180

COURSE OUTLINE

Course Title: Information Systems Development

Course Subject and Number: CISS 211

Department: Computing and Information Sciences

Credit Hours: 3

Contact Hours: 3 Lecture

Semesters Offered: Spring, Summer, Fall

Prerequisite: CISS 210 Analysis & Design of Information Systems or Permission of CIS Department

Corequisite: None

Text: Systems Analysis & Design in a Changing World 5th edition
By Satzinger, Jackson & Burd
Course Technology
ISBN 97814123902287

Course Fees: No

Final Exam: No

Is Course Offered Distance Learning: Yes

Date Prepared: November 2003

Date Revised:

Prepared by: Barbara Wolff

Course Description:

This course is a continuation of CISS 210 Analysis & Design of Information Systems. Students will prototype the system they designed in Course 210. They will plan and coordinate all systems development phases using recommended project management techniques, participate in group walk-throughs and prepare a formal presentation of their completed system.

Student Behavioral Objectives:

After completion of this course, students will –

- Report on the progress of their information system development project.
- Explain the major components and levels of system design
- Identify and respond to issues related to the management and coordination of the design of an information system
- Develop system flowcharts, structure charts & design class diagrams
- Design relational and object database schema
- Describe architectural models for distributed databases
- Explain the importance of human-computer interaction and user-centered design
- Design and develop appropriate and usable user interfaces
- Design system inputs, system outputs, integrity controls, security controls
- Describe and design system implementation and support activities including quality assurance, data conversion, installation and documentation.

Activities and Assignments:

Students will demonstrate mastery by applying the concepts and skills introduced to projects, reports and exams.

Grade Computation: (In general terms as defined by college policy. Specifics, including Z grade, will be defined on the instructor's syllabus).

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| Test/Quizzes, Readings, Oral Project Reports | 50% |
| System Project | 50% |

ADA STATEMENT:

In compliance with the Americans with Disabilities Act of 1990 and with Section 504 of the Rehabilitation Act, Hudson Valley Community College is committed to ensuring educational access and accommodations for all its registered students, in order to fully participate in programs and course activities or to meet course requirements. Hudson Valley Community College's students with documented disabilities and medical conditions are encouraged to access these services by registering with the Center for Access and Assistive Technology to discuss their particular needs for accommodations. For information or an appointment contact the Center for Access and Assistive Technology, located in room 130 of the Siek Campus Center or call 518-629-7154/TDD: 518-629-7596 .

Course Outline:

- Week 1 & 2 Overview of Course Requirements
 Review Software Development Cycle
 Introduction to Project Management
- Week 3 Project Proposals – Oral Reports
- Week 4 Designing Outputs & Inputs
 Project Integration Management
 Initiating Projects
- Week 5 Designing User Interface
 Project Scope Management
 Project Management Planning
- Week 6 Oral Reports – Design
- Week 7 Designing Accurate Data-Entry Procedures
 Project Time Management
 Project Executing
- Week 8 Implementation & Installation Phases
 Project Quality Management
 Project Controlling
- Week 9 Oral Reports - Interface
- Week 10 Project Human Resource Management
 Closing a Project
- Week 11 Project Communications Management
- Week 12 Project Risk Management
- Week 13-15 Oral Presentations – Completed System

Benefits for Veterans:

<https://www.hvcc.edu/veterans/>