

Course Prefix/No: CPT 264
Course Title: Systems and Procedures
Lec Hrs/Week: 3.0
Lab Hrs/Week: 0.0
Credit Hrs/Semester: 3.0

[Distance Learning Attendance/VA Statement](#)
[Textbook Information](#)

COURSE DESCRIPTION

This course covers the techniques of system analysis, design, development, and implementation.

COURSE COMPETENCIES

Upon successful completion of this course, the student should be competent to perform the following tasks:

Module 1 – Basics of the SDLC

- Describe the role of systems development methodologies.
- Explain each phase of the systems development life cycle (SDLC).
- Explain the reasons and methods for systems planning.
- Describe the participants and their respective roles.
- Relate this process phase to the rest of the systems development life cycle.
- Discuss the methods for gathering information and preparing the systems analysis report.

Module 2 – SDLC in Action

- Identify the key features of the structure-oriented design approach.
- Describe the modeling tools which contribute to the structured design approach.
- State the purpose of a data flow diagram, data dictionary, and entity relationship diagram.
- Develop each of these modeling tools:
 - Data flow diagram
 - Data dictionary
 - Entity relationship diagram
- Integrate the knowledge of the SDLC, modeling tools, information gathering techniques by developing useful system to accommodate a business need.

MINIMAL STANDARDS

Minimal standards of performance on all course competencies for receiving credit for the course and indicated by 60% overall accuracy on evaluation instruments that address the course competencies listed above. Required standards of performance on all course competencies for enrollment in subsequent higher-level computer technology courses are indicated by 70% overall accuracy on evaluation instruments that address the course competencies listed above.

COURSE REQUIREMENTS

Students are responsible for attending all schedule class meetings until they have completed all course requirements. Students are responsible for all material covered and for all assignments made in all classes. Any student caught cheating or involved in other academic dishonesty will be given a grade of zero and will be subject to further disciplinary action.

ATTENDANCE POLICY

The attendance policy as stated in the York Technical College Handbook will be enforced. Make-up tests will not be given for theory tests. If a student must miss a theory test, he/she will get a zero for that test. However, students have the option of taking the comprehensive final. The student’s grade on the comprehensive final will replace his/her lowest theory test grade. It is the student’s responsibility to schedule a time for a make-up hands-on test with his/her instructor.

EVALUATION STRATEGIES/GRADING

Module 1 (50% total)	Module 2 (50% total)	Grading Scale	
		90-100	A
Theory Test(s) – 35% of final average	Theory Test(s) – 12.5% of final average	89-89	B
Learning Activities – 15% of final average	Learning Activities – 12.5% of final average	70-79	C
	*Project – 25% of final average	60-69	D
		Below 60	F

*The project will be a comprehensive team project. The project will be assigned approximately midway through the course. A minimum grade of C in the course is required for students in computer technology programs. The project is required to receive a grade for this course

ENTRY-LEVEL SKILLS

A student entering this course should be familiar with structured programming concepts and database concepts.

PREREQUISITES: CPT 212, CPT 232, or CPT 236 with a minimum grade of “C”

Disabilities Statement: Any student who feels s/he may need an accommodation based on the impact of a disability should contact the Special Resources Office (SRO) at 803-327-8007 in the 300 area of Student Services. The SRO coordinates reasonable accommodations for students with documented disabilities.