

## CPT – Computer & Info Systems

### **CPT 162 Intro to Web Page Publishing 2-3-3**

**Prerequisites:** *IST 226 and CPT 187*

This course is a study of the fundamentals of web page design and implementation.

### **CPT 164 Interactive Web Design & Graph 2-3-3**

**Prerequisites:** ( *CPT 187*

**Corequisites:** *IST 226*

This course is the study of web design techniques including layout, graphics, and interactivity. Graphics and animation software will be taught.

### **CPT 168 Programming Logic and Design 2-3-3**

This course examines problem-solving techniques applied to program design. Topics include a variety of documentation techniques as means of solution presentation.

### **CPT 187 Object-Oriented Logic & Design 2-3-3**

**Prerequisites:** *CPT 168*

This is a study in the planning and implementation of object-oriented programs.

### **CPT 208 Special Topics in Comp Tech 2-3-3**

**Prerequisites:** *IST 215*

This course focuses on changes in computer technology.

### **CPT 209 Computer Systems Management 2-3-3**

This course examines the methods and procedures used in maintaining microcomputer systems. Topics include hardware and software installation, configuration, operations, and troubleshooting.

### **CPT 236 Intro to Java Programming 2-3-3**

**Prerequisites:** *CPT 187*

This course is an introduction to java programming. Topics will cover java syntax and classes for use in the development of java applications and applets.

### **CPT 237 Advanced Java Programming 2-3-3**

**Prerequisites:** *IST 271*

This course is a study of advanced topics of the java programming language by building on a basic knowledge of the java language. Topics covered will include multi-threading, swing classes, swing event models, advanced layout managers, the javabeans component model, network programming and server-side programming.

### **CPT 242 Database 2-3-3**

**Prerequisites:** *CPT 187*

This course introduces database models and the fundamentals of database design. Topics include data base structure, database processing, and application programs which access a database.

### **CPT 262 Advanced Web Page Publishing 2-3-3**

**Prerequisites:** *CPT 162*

This course is a study of advanced techniques in web page design and implementation.

### **CPT 264 Systems and Procedures 2-3-3**

**Prerequisites:** *CPT 242*

**Corequisites:** *CPT 262, IST 261*

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

### **CPT 278 Computer Software Applications 2-3-3**

This course is designed to guide the student from beginner to advanced in spreadsheets, databases and word processing.

### **CPT 280 SCWE in Computer Technology 0-12-3**

**Prerequisites:** *CPT 242*

This course integrates computer technology skills within an approved work site related to the computer industry.

### **CPT 282 Info Systems Security 2-3-3**

This course is the study of the protection of information and equipment in computer systems. Topics include all aspects of systems protection, including physical security, hardware, software and communications security. Addresses technical, legal and ethical issues.