CTI 110 Web, Programming, and Database Foundations

Course Calendar: Spring 2021

This schedule may be deviated from as the instructor deems necessary. Any changes will be posted via Announcement. All work is due promptly by **11:59pm** on the due date unless otherwise stated.

\* Exam are available from noon of the first day listed until noon of the last day listed. All times are Eastern

| **Module** | **Topic** | **Learning Resources (Text, video, etc.)** | **Activities and Assignments** | **Due Dates** |
| --- | --- | --- | --- | --- |
| Orientation Activity |  | N/A | Introduction Forum and Icebreaker quiz | 21 Jan |
| **01:** Web | Web Development with HTML | ZyBook “**HTML**” and “**More HTML**” | WLAB1  WLAB2  WHW1  WHW2  WLAB  **\*HTML Exam** | 14 Jan  14 Jan  19 Jan  21 Jan  26 Jan  24-27 Jan |
| **02:** Databases | Database Fundamentals | ZyBook “**Relational Databases**” | DHW1  **\*DB Exam** | 2 Feb  7-10 Feb |
| **03:** Python One | Intro to Python and Input and output processing | ZyBook, “**Introduction to Python 3**” | P1LAB1  P1LAB2  P1LAB3  P1LAB4  P1HW1  P1HW2 | 4 Feb  9 Feb  11 Feb  16 Feb  18 Feb  23 Feb |
| **04:** Python Two | Datatypes and Expressions | Zybook “**Variables and Expressions**” and “**Types**” | P2LAB1  P2LAB2  P2HW1  P2HW2  **\*Python Exam 1** | 25 Feb  2 Mar  4 Mar  11 Mar  14-17 Mar |
| **05:** Python Three | Decision Structures | ZyBook “**Branching**” | P3LAB1  P3LAB2  P3HW1  P3HW2 | 16 Mar  18 Mar  23 Mar  25 Mar |
| **06:** Python Four | Repetition Structures | ZyBook “**Loops**” | P4LAB1  P4LAB2  P4HW1  P4HW2  **\*Python Exam2** | 30 Mar  1 Apr  13 Apr  15 Apr  18-21 Apr |
| **07:** Python Five | Functions | ZyBook “**Functions**” | P5LAB1  P5LAB2  P5HW1  P5HW2  **\*Python Exam3** | 20 Apr  22 Apr  27 Apr  29 Apr  25-28 Apr |
| **Module 8:** Cloud Computing | Introduction to Cloud Computing |  | CCLAB:  AWS Pathway Choice  Discussion Board Assignment | 4 May  6 May |
| **Module:** Final Project | Final Project |  | PROJ: Final Project | 11 May |