

Computer Science Courses

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1. Completed in Fall 2004

The programming languages cover C, java, javascript, SQL. From Database design to Web applications user interface, that is a preparation for the next semester.

1.1. Database system I

- [ccps510 instructed by Professor Abdul N. Shaikh](http://www.scs.ryerson.ca/~anshaikh/index.html)
(<http://www.scs.ryerson.ca/~anshaikh/index.html>) My Database project of ccps510 has followed the structured approach, step by step:
 1. [Requirements](#)
(requirements.html) The requirements includes mission statement, mission objectives, then system definition, and user view collections.
 2. [Conceptual design](#)
(conceptdb.html) The identifications of Entity types, relationship types and attributes, an Entity-Relationship model has created with Specialization.
 3. [Logical design](#)
(logicdb.html) Revises the ER model, refines Relational Schema, validate Relationship using Normalization and User transactions, then defines Integrity constraints.
 4. [Physical design](#)
(physicaldb.html) Implements to physical storage.

1.2. Web component and networking programming in java

- [ccps530 instructed by Professor Wing Shiu](http://www.ncart.scs.ryerson.ca/~wshiu/CCPS530/main.htm)
(<http://www.ncart.scs.ryerson.ca/~wshiu/CCPS530/main.htm>)
 1. [assignment 1](#)
(<http://www.scs.ryerson.ca/~c4tran/ccps530/assignment1/index.html>) a web page design with html, css and an Applet to preload image.
 2. [assignment 2](#)
(<http://www.scs.ryerson.ca/~c4tran/ccps530/>) An Applet of loading 20 thumbnails by 4 threads, and selectively displays it, with time interval in a slide show.
 3. [assignment 3](#)
(<http://www.scs.ryerson.ca/~c4tran/ccps530/Assignment3/browser.html>) Using JavaScript and Applet to access the Server dicrectory, and display file's content when selecting it.

1.3. Introduction to Operating System

- [ccps590 instructed by Professor Rob N. Robson](http://www.ryerson.ca/~rrobson/main590.html)
(<http://www.ryerson.ca/~rrobson/main590.html>)

2. Enrolls in Winter 2005

2.1. Database system II

2.2. Web Application

2.3. Software engineering I

2.4. Introduction to Business management