

**Brock Butler Class Design Document**  
**CD-COURSE03 CurrentCoursesHandler**  
**Date Modified: 02/26/2013**  
**Version: 1.0**

**Revision History**

Date	Version	Change	Author
02/26/2013	1.0	Initial Draft	James Grisdale

**Description**

CurrentCoursesHandler creates the courses/offerings/offering\_times tables and allows for courses and offerings to be inserted. The courses table holds the current courses that a student has added to their list. Offerings holds the different offerings for a specified course that were added (lectures, labs, seminars, etc). The offering\_times table will hold the different times and days that each offering is being offered.

**Global Variables**

- **int KEY\_ID;**
  - holds the course id
- **String KEY\_SUBJ;**
  - holds the course subject name
- **String KEY\_CODE;**
  - holds the course subject code
- **String KEY\_TYPE;**
  - holds class type (seminar, lab, lecture, tutorial)
- **String KEY\_DESC;**
  - holds the description of the course
- **String KEY\_DUR;**
  - holds the course duration
- **String KEY\_DAY;**
  - holds the day of the week an offering is held
- **String KEY\_TIMES;**
  - holds the starting time of the offering

- **String KEY\_TIMEE;**
  - holds the end time of the offering
- **String KEY\_LOCATION;**
  - holds the location of the course
- **String KEY\_INSTRUCTOR;**
  - holds the name of the instructor of the course

## Constructors

- **public CurrentCoursesHandler(Context context);**
  - Creates a helper object to create, open, and manage the database.

## Methods

- **public void onCreate(SQLiteDatabase db);**
  - if the tables do not exist in the database they are created.
- **public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion);**
  - drops older tables and re-creates updated tables.
- **public addCourse(Course course);**
  - inserts new course information into the courses table.
- **public deleteCourse(Course course);**
  - Removes course information from all related tables.
- **public updateCourse(Course course);**
  - Updates the course information in the tables from the course object.
- **public addOffering(Offering offering);**
  - adds information to the offerings table related to the course information passed.
- **public updateOffering(Offering offering);**
  - updates offering information for the given course.
- **public addTimes(Offering offering);**
  - Add the times/locations of the course.
- **public deleteTimes(Offering offering);**
  - Delete times for an offering passed.
- **public updateTimes(Offering offering);**
  - updates the times/locations of this offering.

### Class Responsibility Collaboration Card

Responsibilities	Collaborators
Direct control of the courses/offerings/offering_times in the database	CourseHandler
	Course

### Class Design Sign-off

Name	Approval Status
Matthew Menonkariyil	
James Grisdale	
Taras Mychaskiw	