**Terms:**

1. Term code (INT)
2. Term description (STR)

**Subjects:**

1. Subject Code (VARCHAR, 5)
2. Term code (INT)
3. Name (STR)

**Courses:**

1. Course id (STR)
   1. Term code
   2. Subject code
   3. Course number
2. Subject code (VARCHAR, 5)
3. Term code (INT)
4. Course code
   1. Subject code
   2. Course number
5. Course number (INT)
6. Course name (STR)

**Course desc:**if time range is given then split by <-> else skip  
if location contains b tag then save location as CD else save location

1. Course desc id (INT)
2. Course id (STR)
   1. Term code
   2. Subject code
   3. Course number
3. CRN (INT)
4. Section number (INT)
5. Section type (VARCHAR, 5)
6. Credit hours (INT)
7. Start date (DATE)
8. End date (DATE)

**Course prerequisites:**

1. Course code
2. prerequisites
3. cross listings
4. corequisites
5. exclusions

**Schedule:**cd is false for all days and start time/ end time is 00:00:00. Schedule for such courses should be ignored

1. Schedule id (INT)
2. CRN (INT)
3. Monday (BOOLEAN)
4. Tuesday (BOOLEAN)
5. Wednesday (BOOLEAN)
6. Thursday (BOOLEAN)
7. Friday (BOOLEAN)
8. Start time (DATE)
9. End time (DATE)
10. Location (STR)

**Enrollment:**

1. Enrollment id (INT)
2. CRN (INT)
3. Max (INT)
4. Current (INT)
5. Available (INT)
6. Wait list (INT)

**Instructor:**

1. Instructor id (INT)
2. Instructor name (STR)

**Course instructor:**

1. Course instructor id (INT)
2. CRN (INT)
3. Instructor id (INT)
4. Instructor name (STR)

**~~Tuition:~~**

1. ~~Tuition code (VARCHAR, 5)~~
2. ~~CRN (INT)~~
3. ~~Bhrs (DOUBLE)~~

**Course restrictions:**

1. Restriction code (INT)
2. CRN (INT)
3. Restriction description (STR)

Web Crawler Documentation:

1. Get list of terms from academic timetable home (skip term if term contains comma)
   1. URL for available terms: https://dalonline.dal.ca/PROD/fysktime.P\_DisplaySchedule?
   2. Extract all required data
2. Get list of subjects from academic timetable home for each term
   1. URL for subject listing (highlighted text is the term code): https://dalonline.dal.ca/PROD/fysktime.P\_DisplaySchedule?s\_term=201910&s\_district=All
   2. Extract all required data
3. Get a list of all courses for each subject
   1. URL for subject listing (highlighted text is the term code, and subject code): [https://dalonline.dal.ca/PROD/fysktime.P\_DisplaySchedule?s\_term=201910&s\_subj=ACAD&s\_district=All](https://dalonline.dal.ca/PROD/fysktime.P_DisplaySchedule?s_term=201910,201920&s_subj=ACAD&s_district=All)
   2. Extract all required data
   3. URL for courses (highlighted text is the term code, subject code, and course number): <https://dalonline.dal.ca/PROD/fysktime.P_DisplaySchedule?s_term=201910&s_subj=MATH&s_numb=2112&s_district=All>
4. Get a list of all course restrictions
   1. URL for course restrictions (highlighted text is the term code, and crn):
   2. <https://dalonline.dal.ca/PROD/fysktime.P_FindRestrictions?s_term=201910&s_crn=10034>
5. Get a list of all course prerequisites for each course code
   1. URL for course prerequisites (under div. maincontent; highlighted text is the subject code, and course number): <https://academiccalendar.dal.ca/Catalog/ViewCatalog.aspx?pageid=viewcatalog&entitytype=CID&entitycode=STAT+2060>