How to Read a Course Description

1 means taught on the St. George campus

These numbers are the contact hours for the course:

48L = 48 hours of lectures altogether over 24 weeks of a Y-course = 2 hours per week.

24T = 24 tutorials = one per week

(P = practical hours, such as labs)

Y1 is for full course, worth one credit

(H1 is for half course, worth 0.5 credits)

CHM is the course designator, in this case short for Chemistry; 225 shows the level of the course (we have 100, 200, 300 and 400-level courses; courses for second-year students are normally numbered at the 200 level).

CHM225Y1 Introduction to Physical Chemistry [48L, 24T]
Topics: introductory thermodynamics, first and second law and applications; chemical equilibrium; chemical kinetics; introductory quantum mechanics; spectroscopy. The course is intended for students who will be following one of the chemistry specialist programs (including Biological Chemistry and Environmental Chemistry) or who will be including a substantial amount of chemistry in their degree (such as those following a chemistry major program).
Exclusion: CHM220H1, CHM221H1
Prerequisite: [(CHM138H1, CHM139H1)/CHM151Y1 with a minimum grade of 63%, or permission of the department through an appeal and placement test], MAT135Y1/137Y1/157Y1, PHY138Y1/140Y1/(131H, 132H)/(151H, 152H)
Co-requisite: MAT235Y1/237Y1
DR=SCI; BR=5

Exclusions are courses similar enough to this one that you are not allowed to take them as well. In this case you may not take CHM 220H1 or 220H1.

Prerequisites are the courses you need to take before you are qualified to take this one. For CHM 225Y1, you need one course in Chemistry with a minimum grade of 63% (CHM 138H1+139H1 or 151Y) or special permission from the department, one course in Mathematics (MAT 135Y1 or 137Y1 or 157Y1) and one course in Physics (PHY 138Y1 or 140Y1 or 131H1 + 132H1 or 151H1 + 152H1).

/ this oblique slash means or

, ; & + these symbols all mean and

( ) parentheses are used to group items together into one unit

Co-requisites are courses you must take at the same time as this course. For CHM 225Y1, you must take either MAT 235Y1 or MAT 237Y1 at the same time.

The "DR" is the Distribution Requirement status of the course. CHM225Y1 is a Science course for Distribution Requirement purposes. See page 26 for details. The Distribution Requirement applies to students Students who began degree studies prior to September 2010.

The "BR" is the Breadth Requirement category of the course. CHM225Y1 is a category 5 (The Physical and Mathematical Universes) course. See page 25 for details. The Breadth Requirement applies to Students beginning degree studies in September 2010 or after.