

Department of Chemistry  
**Introductory Biochemistry for Nurses**  
SC/CHEM 1550 3.0—Fall 2015

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<b>Course Director</b>	Scott Fielder, PhD Office hours: by appointment <a href="mailto:scottf@yorku.ca">email: scottf@yorku.ca</a> <i>**please include a subject heading**</i>
<b>Nursing/Course Assistant</b>	Stacy Lew, RN, ENC(c), BScN, RVT <a href="mailto:Stacy@NursingToronto.com">email: Stacy@NursingToronto.com</a>
<b>Teaching Assistant</b>	Jennifer Farmer, PhD(c) Office hours: by appointment <a href="mailto:jfarmer@yorku.ca">email: jfarmer@yorku.ca</a>
<b>Course schedule</b>	Three lecture hours per week and optional tutorials Lecture: Fridays @ 0830–1130h Location: TEL Building rm 0001 Optional tutorials: TBA on Moodle

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**Course Description**

This is an introductory course in biochemistry as applied to the nursing profession. It provides an overview of the basic chemical and biochemical concepts relevant to the understanding and promotion of human health and wellness.

**Prerequisites**

Only open to students in Specialized Honours BScN 2nd Degree Entry Nursing Program.

**Textbook Resource**

None required

### Evaluation Framework

Test 1 (in class on Oct 9, 2015)	33 1/3 %
Test 2 (in class on Nov 13, 2015)	33 1/3 %
Final exam (during exam period, date TBA)	33 1/3 %
Total: 100 %	

### Course Objectives

This course has been designed to provide nursing students with a basic understanding of organic and biological chemistry with emphasis on human and clinical applications.

### Course Content – biochemistry's integral connection to nursing by exploring:

- Chemical elements and compounds important to the human organism
- Structure and properties of molecular functional groups commonly found in organic and pharmacologically important molecules
- Metabolism & human nutrition
- Macro and micro-nutrients
- Bodily fluids, electrolytes, and acid-base balance
- The chemistry behind diagnostic testing

### Student Responsibilities

Students are responsible for information covered in class, course readings and any supplemental information posted on WebCT. Once you are enrolled you will need to activate your Moodle account. Go to <http://www.yorku.ca/computing/students/> and click on Manage My Services; follow the instructions provided for WebCT. Note: the first time you login to your courses on Moodle, your user name is the same as for passport York, and your password is your student number. Moodle will be your mainstay communication resource; you are responsible for regularly checking for updates and announcements.

### Details of Student Appraisal

There will be two tests held during class time on Oct 9, 2015 and Nov 13, 2015; they are each **one** hour in duration and a lecture will follow test completion. The final exam will be scheduled in the December examination period and will be **three** hours in duration. Both the tests and exam will consist of a variety of testing techniques including: multiple choice, matching, fill-in-the-blank, true/false and short answer. Questions will be based on material taught during lectures, suggested readings from the course text book and material posted on Moodle.

If a student cannot write a test or examination due to emergency or illness he/she must notify the instructor prior to the scheduled day. Each situation will be dealt with on an individual basis.

### Add and Drop Deadlines

Last date to enroll without permission of instructor - September 24, 2015  
Last date to enroll with permission of instructor - October 8, 2015  
Last date to drop without receiving a grade - November 9, 2015

**Fall Holidays**

None affecting this course

**Important Policies, Procedures and Regulations**

Policies on grading and academic honesty in the York University are included in the student handbook. We take academic honesty very seriously and it is not worth your integrity or career as a nurse to even contemplate dishonesty; students have failed this course in prior years for cheating. The following policies will be **strictly** adhered to in this course. It is your responsibility to familiarize yourself with the York University policies at: <http://www.yorku.ca/secretariat/policies/>

Academic Honesty

<http://www.yorku.ca/secretariat/policies/document.php?document=69>

Grading Scheme and Feedback Policy

<http://www.yorku.ca/secretariat/policies/document.php?document=86>

<http://www.yorku.ca/secretariat/policies/document.php?document=87>

Religious Observance and Accommodation Guidelines and Forms

<https://w2prod.sis.yorku.ca/Apps/WebObjects/cdm.woa/wa/regobs>

Academic Accommodations for Students with Disabilities

<http://www.yorku.ca/secretariat/policies/document.php?document=68>

Deferred Standing

<http://www.registrar.yorku.ca/exams/deferred/index.htm>