**COURSE: BIOL-330 Cell Biology**

**TERM: Fall 2025**

**INSTRUCTORS: Jacqueline Monaghan & Maria Aristizabal**

**TUTORIAL INSTRUCTOR: Baharul Choudhury**

**Course summary:**

This lecture course covers the following topics in cell biology.

1. Methods in microscopy, biochemistry, molecular biology, as they relate to modern cell biology

2. Control of gene expression

3. Signal transduction

4. Intracellular traffic

5. Organelle biogenesis

6. Cytoskeleton and extracellular matrix

7. Integrative processes (e.g. cell cycle, cancer biology, apoptosis)

TAs are expected to have a working familiarity with these topics specifically, and cell biology in general.

**TA roles and overview of duties:**

There are 2 types of TAs required for this course:

* **3x Tutorials**
  + Meet with Baharul to go over tutorials + prep work
  + Run tutorials
  + Grade tutorial assignments
  + Monitor and answer questions on the onQ Tutorial Forum

* **5x Graders**
  + Grade Assignment 1
  + Grade Assignment 2
  + Grade Final Exam

**Expectations:**

* Tutorial TAs must be available for in-person work.
* Grading TAs have the option for remote work.
* All TAs need to be available for regular team meetings (can be hybrid via Zoom). At these meetings we discuss tutorial topics, rubrics, grading schemes and strategies to deliver content more effectively.
* The nature of this work means that short periods of intensive effort will be required.
* TAs will not receive a written evaluation of their performance unless requested from the Course Co-ordinator. No USAT evaluation is undertaken.
* All Biology TAs are required to adhere to the University's Code of Conduct, as described in Section 12 of the Queen's Graduate Calendar, and Section 4 of the Guide to Graduate Studies in Biology. As teachers of undergraduates, TAs are expected to recognize the seriousness of all forms of Academic Dishonesty, Harassment and Discrimination and to understand the rules governing such cases at Queen's.

**PROCEDURES FOR RESOLVING PROBLEMS BETWEEN TAs and INSTRUCTORS**

Please refer to the Collective Agreement at the following link:

<https://www.queensu.ca/facultyrelations/psac%20901-1/collective-agreements/MoAs/LoUs>