

**BIO 130H1S – MOLECULAR and CELL BIOLOGY**  
36L, 15P

**This course has a lab fee of \$15.**

**Lab coat and safety glasses are required and the approximate cost is \$25. Students are responsible for purchasing these items.**

**Lecturers:**

Prof. M. Neumann (Team Leader)

Prof. Jennifer Mitchell

Evening lecturer: TBA

**Course and Laboratory Coordinator:**

Prof. M. Neumann      ES 3052      416-978-7431      [melody.neumann@utoronto.ca](mailto:melody.neumann@utoronto.ca)

**BIO 130 Office:**

Nyla Maharaj Cabrera      ES 3053      416-978-6442      [bio130@utoronto.ca](mailto:bio130@utoronto.ca)

**Exclusion:** BIO 240H1, BIO 241H1, BIO 250Y1, BIO 255Y1

**Prerequisite:** SBI4U and SCH4U (Grade 12 University Preparation Biology and Chemistry) or permission of the course coordinator. Please e-mail [bio130@utoronto.ca](mailto:bio130@utoronto.ca) for more information.

**Course Description:**

BIO 130H1 provides a university level introduction to Molecular and Cell Biology. One of the goals of modern biology is to understand how the basic building blocks of life give rise to biological form and function. This course provides students with a common lexicon to understand the key principles and concepts in molecular and cell biology, with a focus on how the building blocks of life lead to functioning cells.

BIO 130H1 is a core course in CSB and EEB undergraduate programs, as well as a requirement in many programs in the basic medical sciences. The laboratories reinforce molecular and cell biological concepts introduced in the lectures. Students will also learn current and relevant laboratory techniques used in cell and molecular biology research labs by attending 5 bi-weekly laboratories.

**Required Text:**

TBA

**Sample Evaluation:** Midterm exam (25%), final exam (45%), labs (30%)

**\*\*Student Schedule Planning Tips\*\*:**

- **Cycle 1** labs (those ending in 01 e.g. P0101) begin the week of **January 16<sup>th</sup>**. **Cycle 2** labs (those ending in 02 e.g. P0102) begin the week of **January 23<sup>rd</sup>**. If you are trying to schedule labs in another course to alternate in the same time-slot with BIO130 labs, please compare the start dates for the lab in both courses to ensure that they alternate (so you don't schedule yourself to be in 2 places at once!).
- Please note that if you have a course conflict with a BIO130H lab, you need to keep trying to resolve these using ACORN until the evening of Monday, January 2<sup>nd</sup>, 2016. The course office cannot put students into labs before ACORN closes for lab enrolment. The best way to get a lab that fits your schedule is to check ACORN frequently through the fall and into the December break —spots will open up at any time. If you still cannot get a lab that fits your schedule, beginning January 5<sup>th</sup>, you may come to the BIO130H office and we will do our best to assist you. Labs do not

begin until the week of January 12<sup>th</sup>, so try not to worry in the meantime—there is ample time to sort out conflicts.

- The BIO130H term test is tentatively scheduled for Friday, March 3<sup>rd</sup> from 4-6 pm, 2017. There will be an early sitting for students with a conflict with a lecture in another course.
- Many students in BIO130H will need to take labs on Monday or Tuesday evenings. If you find that you have a term test in another course during that time slot and it conflicts with your BIO130H lab, please be aware that other courses also offer alternative sittings for term tests in their courses, and have been informed that BIO130H students will be asking for permission to write during these alternative sittings. If you are **planning to take PHY132H1S**, you should **avoid taking the Tuesday 5pm Practical** in BIO130 (but you may take any other BIO130 Practical). In short, schedule your BIO130H lab in the best way you can, and be assured that conflicts that arise due to term test schedules will be resolved.
- AP and IB students—if you have received a transfer credit for BIO with an exclusion to BIO130H and also have a full first year university chemistry credit, then that means that you can take BIO230H1 this academic year and do not have to take BIO130H. If in doubt, please check with the BIO230 course office ([bio230@utoronto.ca](mailto:bio230@utoronto.ca)).