

**BIOCHEMISTRY 403: BIOCHEMISTRY OF SIGNAL TRANSDUCTION
COURSE OUTLINE – FALL 2014**

Biochemistry of Signal Transduction

The objective of this course is to examine in detail the biochemical basis of the transmission of molecular signals from a cell's exterior to its interior and how this can bring about changes in cellular behavior and gene expression. The course emphasizes the biochemical concepts underlying signal transduction and the types of experimental analysis that are employed to study signaling pathways.

Instructors: Dr. Robert Burke

Petch 236, rburke@uvic.ca

Office Hours: Monday & Thursday, 3:30 PM – 4:30 PM or by appointment.

Dr. Perry Howard

Petch 053a, phoward@uvic.ca

Office Hours: Monday & Thursday 3:00 PM- 4 PM or by appointment

Schedule: Mondays and Thursdays, 10:00 am - 11:20 am, ECS 124

Readings: Readings will be posted on the course web site.

Topics (with approximate dates)

Sept 4 8, 11	Introduction - Principles TGF β Pathway	Burke
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Student Evaluation:

Midterm Exams (Oct 2, Nov 6):	40%
Final Exam:	50%
Assignments	10%

There is no assigned text for the course; topics will be drawn from primary and review literature, assigned in class, and posted on the course website. Students are expected to complete the reading assignments and the material will be included in the midterm and final exams. There will be several 1-page, research or reading assignments made throughout the course

