

Course Title: Probability & Statistics
Course Number: 201 - SN1 - RE
Section: 0001
Semester: Winter 2026

Instructor: I.T. Ivanov
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Course Description: This course provides a foundational understanding of descriptive statistics, probabilistic laws, and inferential techniques. It will help student develop data analysis skills for informed decision-making in scientific contexts.

Ponderation: Theory 2 hours. Lab 1 hour. Homework 2 hours.

Prerequisites: None.

Teaching Methods:

A combination of lectures, class and lab exercises, along with homework and classwork will prepare the students for three term tests. To illustrate statistical analysis of data Excel and other programming languages/software will be introduced and used in the course.

Course Materials: Materials for this course can be accessed here: <https://probabilia.ca/>

Additional Expenses: Non-programmable non-graphing scientific calculator.

Office Hours: By appointment.

Competencies: For the course objectives and expected learning outcomes, please consult the course framework which will be uploaded on Lea.

Approximate Date of Evaluations: The **first term** test will take place in week 4; the **second term** test will take place in week 10; and the **last term test** will be scheduled for in the last week of classes. In class exercises and assignments will be due every week.

LIA (Learning Integration Assessment): The LIA for this course consists of two non-cumulative tests, Test 2 and Test 3. Together, they would account for a total of 55% of the final grade.

Evaluation: Your final mark will be computed as follows:

20%	Test #1	February 18th (tentative)
30%	Test #2	April 1st (tentative)
25%	Test #3	May 14th (tentative)
10%	In Class Exercises	Weekly
15%	Labs	

Classroom Policies:

1. Students who miss a class, test, or assignment for medical reasons must declare their absence by completing the College's online Medical Absence form. A screenshot of the completed form must be sent via MIO to all affected teachers, ideally on the same day of the absence and no later than 48 hours afterwards.
2. Make-up assessments must normally be written within one week of the student's return, unless otherwise arranged with the teacher. Delaying a make-up beyond this period without valid justification may result in the assessment being marked as a zero. Writing the make-up promptly ensures timely feedback and prevents the workload from accumulating at the end of the semester.
3. Attendance is highly recommended. It is the student's duty to remain informed about what takes place in class he/she misses. Absence from class does not excuse students from their responsibilities.
4. Students are expected to check the course [Webpage](#) on a regular basis. Course material, announcements, and important dates will be posted there.
5. For on paper exercises: handwritten solutions with detailed explanations as to how you arrived at the answer are expected.
6. Communication via MIO/email: students can generally expect a response within 24-48 hours during the hours of 9 AM and 5 PM, Monday to Friday. (If sending an email/MIO on a Friday, expect a response on Monday).

Course Policies:

It is the student's responsibility to be familiar with and adhere to the Vanier College Academic Policies. The complete policies can be found on the Vanier College website, under [Policies](#). Students should pay particular attention to the [Institutional Policy on the Evaluation of Student Achievement \(IPESA\)](#). The IPESA aims to clarify the structures and means that ensure the fair and equitable evaluation of student achievement, including the conditions for learning, assessment, and certification.

Section 11.4 of IPESA provides details on **Academic Integrity**, which is an essential component of any educational institution and all students are expected to uphold the highest standards of academic integrity during their college studies. Failure to do so may result in serious consequences – please see section 11.4.2 on **Academic Misconduct**. There are many [resources](#) available to support academic integrity in your courses. If you have a problem that you have been unable to resolve by talking with your teacher, please reach out to the [Student Advocate](#) or to a Faculty Dean's office (A-286, B-208, N-301). For Continuing Education courses, students can visit E-115.

Student Academic Complaints (Policy number 7210-8) The Vanier College Student Academic Complaints Policy and procedures puts an emphasis on mediation as the primary means to resolve complaints in the academic area. If you have a problem with a teacher and have been unable to resolve it by talking with him or her, you may wish to enlist the help of the Faculty Mediation Committee. The committee member names and contact information are available in Student Services or through the office of the Faculty Dean.

Department Coordinator : Stephen Newbigging newbiggs@vaniercollege.qc.ca

Faculty Dean: Haritos Kavallos kavalloh@vaniercollege.qc.ca