
Course Title: Probability and Statistics
Course Number: 201-HTH-05
Section: 00001
Semester: Autumn 2022

Instructor: I.T. Ivanov
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Course Description:

The aim of this course is to teach the student to understand and perform computations using the techniques of elementary probability and statistics.

Ponderation: Theory 3 hours/week. Lab 2 hours/week. Homework 2 hours/week.

Prerequisites: See the [master course schedule](#).

Teaching Methods:

A lecture/workshop approach to learning the theory and the statistical techniques accompanied by frequent homework assignments will prepare the student for one term test and a final exam. The ESP/term project will illustrate the use of probabilistic and statistical tools and techniques in real life applications. One hour per week will be spent working with statistical software.

Textbook: Probability: An Introduction with Statistical Applications, by John J. Kinney, 2nd Edition, Wiley (2014), ISBN: 978-1-118-94708-1 (Purchase is optional).

Additional Expenses: Scientific calculator.

Office Hours: Fridays 14.30 - 16:00 or by appointment

Competencies: For the course objectives and the expected learning outcomes, please consult the [course content document](#).

Approximate Dates of Evaluations:

The Term will be given during the 6th week of classes. The final exam is in the Final Exam Period. The two exams will be given in person. Homework assignments and software assignments will be due every week.

Learning Integration Assessment: The ESP project is the LIA for this course.

Evaluation: Your final mark will be computed as follows:

- 20% Term Test**
* Week of September, 26th
- 35% Final exam.**
* To be scheduled in the Final Exam Period.
- 20% ESP Project.**
* A passing grade in this component is mandatory for those seeking an ESP credit.
- 25% Problem Solving, Lab work**
* Weekly assignments (paper and/or software), lab exercises and simulation work.

Classroom Policies:

1. **Missed tests and in class assessments** will not be re-administered unless the student provides valid proof, such as a medical note, or some other compelling reason. Failure to do so will result in a grade of zero.
2. 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.
3. Students are expected to check the course [Webpage](#) on a regular basis. Course material, announcements, and important dates will be posted there.

Course Policies:

General Academic Policies: It is the student's responsibility to be familiar with and adhere to the Vanier College Academic Policies. These policies can be found online on the Vanier College website, under Policies. Your attention is drawn in particular to the following policies. A brief summary of each is included.

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.

Cheating and Plagiarism (Policy number 7220 - 31) Any form of cheating or plagiarism will result in a grade of zero on the test or assignment and a letter from the teacher will be placed in your file. A repeated offence may lead to even more serious consequences. Please consult the Vanier Student Writing Guide, the Vanier College Catalogue, the Student Handbook, and your teacher for more information.

Student Misconduct in the Classroom (Policy number 7210 - 19) This policy provides guidelines for handling cases of student misbehaviour in the classroom and other instructional settings. Such cases may include conduct that is abusive to the teacher and/or other students, or disruptive to the teaching/learning process. This policy does not limit the teacher's or the College's right to take

immediate action in cases of imminent danger to persons or property.

Code of Conduct The Code of Conduct sets forth principles, guidelines and norms of behavior expected from all individuals present at Vanier College, including students, faculty, employees, administrators, members of the Board of Directors, contractors and visitors.

Student Absences for Religious Holy Days see IPESA, Section 2.2.6) Students whose religious obligations require them to be absent from the College on a holy day not formally recognized in the College calendar must inform their teachers, in writing, during the first week of classes, of the particular date(s) and times of the religious holy days on which they must be absent by completing and submitting to their teacher the Religious Holy Days Absence form found on the Registrar's Office page on the Vanier College website <http://www.vaniercollege.qc.ca/registrars/request-forms/religious-holy-days>. Absences approved in this manner are considered to be excused absences. Students are responsible for material covered in the classes and labs they miss.

Student Proficiency in the Language of Instruction (Policy number 7210-33): The purpose of this policy is to foster student proficiency in English, the formal language of instruction at Vanier College. Emphasis on literacy and communication skills (writing, reading, speaking, and listening) is essential to students' academic and professional success.

Academic Complaints:

Department Coordinator: Elena Naidenova, email: naidenoe@vaniercollege.qc.ca

Faculty Dean: Haritos Kavallou, email: kavalloh@vaniercollege.qc.ca