
Course Title: Probability and Statistics
Course Number: 201 - HTH - 05
Section: 00001
Semester: Winter 2021

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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 in online synchronous classes accompanied by frequent homework assignments will prepare the student for two term tests and one 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: Thursdays 14:30 - 16:00 or by appointment

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

Evaluation: Your final mark will be computed as follows:

10%	Term Test * Week of February, 22nd
40%	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.
30%	Problem Solving, Lab work * Weekly assignments (paper and/or Webwork), in-class 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.

Academic Resources:

The Tutoring & Academic Success Centre (TASC) provides free peer tutoring every workday in E 300. Many mathematics instructors also regularly volunteer at the TASC. See [here](#) for more information.

Course Policies

It is the student's responsibility to be familiar with and adhere to all Vanier College Policies. A summary of the course-level policies that apply in this and all other Vanier courses can be found under "Course-Level Policies" in Important Vanier Links on Omnivox, or by following this [link](#). Complete policies can be found on the Vanier College website, under [Policies](#).

Unless explicitly allowed by the instructor, all electronic devices including but not restricted to smart phones, smart watches, Fit Bits - all models, cameras, laser devices, MP3 players, recording and/or playback devices in any form, ear buds, any Bluetooth device are prohibited during in class examinations. A simple possession of such devices is considered cheating and will be treated as such.