

**Faculty of Science Course Syllabus  
Department of Economics  
Econometrics I, ECON 3338 (01)  
Winter 2024**

*Dalhousie University acknowledges that we are in Mi'kma'ki, the ancestral and unceded territory of the Mi'kmaq People and pays respect to the Indigenous knowledges held by the Mi'kmaq People, and to the wisdom of their Elders past and present. The Mi'kmaq People signed Peace and Friendship Treaties with the Crown, and section 35 of the Constitution Act, 1982 recognizes and affirms Aboriginal and Treaty rights. We are all Treaty people.*

*Dalhousie University also acknowledges the histories, contributions, and legacies of African Nova Scotians, who have been here for over 400 years.*

**Instructor:**

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**Teaching Assistants:**

Saeed Safari: saeed.saffari@dal.ca

**Timetable:**

Lecture Hours:

- Wednesday/Friday, 1:05pm-2:25pm, Killam Library 4106

Tutorial Hours:

- Friday, 2:35pm-3:55pm, McCain 2116

Office Hours:

- Instructor: Tuesday, 9:30am-11:0am (or by appointment)

**Prerequisites:**

MATH 1000.03 (or equivalent) MATH 2060.03/STAT 2060.03, with minimum grades of C

**Course Description:**

The theory of some quantitative methods commonly used by economists is discussed in the context of the classical linear model. Estimation problems caused by violations of the assumptions of the classical model are studied including heteroscedasticity and autocorrelation.

**Objectives of the course:**

This course introduces statistical tools for handling economic and financial data generated in uncontrolled environments.

**Learning outcomes and competences:**

The objectives of the course are that the participants can:

- formulate the simple linear regression model and examine the method of Ordinary Least Squares for estimating the model's parameters
- conduct hypothesis testing on economic questions based on estimates from single regression models
- formulate the multiple linear regression model and its underlying assumptions
- estimate and interpret the parameters of multiple linear regressions
- describe the statistical properties of the estimated parameters
- apply hypothesis testing concerning the parameters of multiple regression models
- forecasts and to interpret the precision of these forecasts
- understand the consequences of multicollinearity, omitted variables, functional form misspecification, heteroskedasticity and autocorrelation in multiple regression models
- evaluate the adequacy of the estimated regression models by performing tests for omitted variables functional form misspecification, neglected heteroskedasticity, and autocorrelation
- apply efficient estimation in regression models with heteroskedastic innovations
- understand how to use matrix algebra to derive ordinary least squares estimator's formulae and examine the properties of the estimator

**Course contents:**

1. Regression analysis with a single explanatory variable (Simple Regression)
2. Regression analysis with several explanatory variables (Multiple Regression).
3. Model estimation and specification.
4. Hypothesis testing in simple and multiple regressions.
5. Partial regression.
6. Asymptotic Properties of Ordinary Least Squares
7. Functional form, dummy variables and parameter stability.
8. Heteroskedasticity.

**Format:**

Regular in-person lectures, in-person/online tutorials, in-person instructor's office hours,

**Material:**

- Required Textbook:
  - + Jeffrey M. Wooldridge, "Introductory Econometrics: A Modern Approach", 7th Edition, South-Western College Pub. (Chapters 1-9, Appendices A, B, C)
  - + MindTap Online Access (Cengage)
  - + The Dalhousie bookstore carries two versions:
    - Physical textbook (loose leaf), which includes access to MindTap (~\$140)
    - MindTap software only with access to the e-version for the textbook (~\$100)
  - + Using MindTap software can be very helpful towards your preparation for the course.
  - + Course Key: *MTPQ-9843-9ZSJ*
- Additional Notes, as required: available via [Brightspace](#).

**Software:**

- **Gretl**
  - + Gretl is freeware econometric software, which can be downloaded at: <http://gretl.sourceforge.net/>.
- **R**
  - + R is freeware software used by many researchers for econometrics and statistics. It is available at: <http://www.r-project.org/>
  - + RStudio Desktop is an integrated development environment (IDE) for R. It is available at: <https://www.rstudio.com/products/rstudio/#Desktop>
- **STATA**
  - + A one-year STATA/SE Student license is available to all Dalhousie Students. Students can download Stata/SE 18 at: <https://software.library.dal.ca/>

*There is no restriction on which software you use for your Data Assignments and Project. Nevertheless, tutorial support will be offered only for the programs listed above.*

### **Assessment:**

Academic Calendar regulation 16.1: “In order to complete a course satisfactorily, a student must fulfill all the requirements as set down in the course outline.”

- Self-reflections (2): 4%
  - + Students are required to provide two self-reflection pieces for the course.
  - + No 1 (due: January 14<sup>th</sup>): Where you come from, what are your expectations in taking the course.
  - + No 2 (due: April 11<sup>th</sup>): Did the course meet your expectations? How could you improve yourselves? Suggestions for the instructor?
- Online Quizzes (5: Topics 1 to 5): 16%
  - + Timed Quizzes with focus on testing theoretical concepts. Administered via Brightspace.
  - + The worst quiz won't count towards grade.
- 3 Regular Assignments (Topics 2-4): 15%, equal weight across assignments
  - + Include theoretical derivations and computer exercises.
  - + The weight will be equally distributed among all regular assignments.
- Midterm Exam (in class): 15%
- Final Term Project (individual): 20%
  - + Although the choice of topic is at the student's discretion, it would need to be approved by the instructor.
  - + Specific directions will be provided early in the term concerning:
    - Format
    - Data Sources
    - Expected content

- + Pdf files of the proposal and preliminary draft for Term Project must be submitted to specific folders under “Assessment” tab in Brightspace prior to or on the due date (not graded and for feedback only).
- + Pdf files of Final Term Project must be submitted to a specific folder under “Assessment” tab in Brightspace prior to or on the due date (to be graded; 20% mark-down per day delayed).
- Final Exam (scheduled by RO): 30%
- Notes:
  - Assignments
    - + Assignments will be posted online (Brightspace course page).
    - + Scanned pdf files of completed regular assignments are submitted to specific folders under “Assessments” tab in Brightspace.
  - Exams
    - + Examinations are “closed book” and materials other than those mentioned should not be used. There is no supplemental privilege in this course.
    - To pass the course, a student must achieve an overall passing grade and a minimum grade of 50% on the final examination, which covers material drawn from the entire course.
- Missing assessment elements:
  - Assignments
    - + Late assignments will be marked down by 20 percent per day. Any exception requires a legitimate reason listed in the Dalhousie University Calendar under section 16.8 of “Academic Regulations.”
    - + Students unable to submit a regular assignment, they must contact the instructor by email prior to the date and time of the assessment and submit a completed Student Declaration of Absence (SDA) form via Brightspace or by email (no medical note is required). The weight of the missed assignment will be equally distributed among the other assignments.
  - Online Quizzes
    - + Students unable to take the quiz, they must contact the instructor by email prior to the date and time of the quiz and submit a completed Student Declaration of Absence (SDA) form via Brightspace or by email (no medical note is required). The weight of the missed quiz will be distributed among the remaining quizzes.
  - Exams
    - + If a student is unable to attend the midterm exam, they must contact the instructor by email prior to the date and time of the exam and submit a completed Student Declaration of Absence via Brightspace or by email (no medical note is required). The weight of the midterm exam will be added to the final exam.
    - + If a student is unable to take the final exam for a valid reason, (Section 16.8 of the University Calendar), they must contact the instructor by email prior to the date and time of the exam and submit a completed Student Declaration of Absence via Brightspace or by email. The student will have the opportunity to write up a make-up exam.

**Note that the SDA form can only be used twice during the term.**

**Policies related to Academic Integrity:**

- Assignments
  - + Assignments are individual assignments. Copying and/or cooperation is not permitted, and it constitutes a serious academic offence (see Academic Integrity).
- Online Quizzes
  - + No cooperation is allowed while taking the online quiz and you should not attempt to use external sources to obtain answers for the questions.
- Final Term Project
  - + The project is an individual project that must be completed independently by each student. Plagiarism is a serious academic offence. A finding of plagiarism may result in a failing grade of an assignment or course or, if very serious, suspension or expulsion from the university. See [https://www.dal.ca/dept/university\\_secretariat/academic-integrity/plagiarism-cheating.html](https://www.dal.ca/dept/university_secretariat/academic-integrity/plagiarism-cheating.html)
    - + Professional editing is not permitted.
    - + TURNITIN plagiarism detection software would be used in your final paper submission.

**Grading scheme:**

A+	A	A-	B+	B	B-	C+	C	C-	D	F
90-100	85-89	80-84	77-79	73-76	70-72	65-69	60-64	55-59	50-54	<50

**Important Dates (midterm date is tentative):**

- Last Day to Change and Add Classes for registered students: January 22<sup>nd</sup>
- Last Day to Drop without “W”: February 6<sup>th</sup>
- Last Day to Drop with “W”: March 6<sup>th</sup>
- Last Day of course: April 9<sup>th</sup>
- Winter Study Break: February 19-23
- Online Quizzes: Weekend immediately as soon as the Topic is completed (See schedule)
- Regular Assignments: Due one week after Topic is completed (See schedule)
- Self-reflections: Jan 14<sup>th</sup>, April 11<sup>th</sup>
- Midterm Exam (tentative): February 14<sup>th</sup>
- Project dates due dates:
  - + Proposal: March 8<sup>th</sup>
  - + Preliminary draft due: April 5<sup>th</sup>
  - + Final paper due: April 10<sup>th</sup>
- Final Exam: Regular exam period (April 11<sup>th</sup>-April 23<sup>rd</sup>)

**Email Policy:**

Do not expect an immediate reply to your emails. I reserve the right to respond according to the policies outlined below.

- Weekdays: emails received by 18.00 would be responded by the end of the day. Anything after that hour would be responded in the following day.
- Weekends: emails are to be checked sporadically, and thus you should not expect a response within the same day.
- Lengthy questions are easier and preferable to be answered during office hours.
- **Make sure that you have checked the course outline and all material available in Brightspace prior to asking a question.**

**Course contents:**

<b>Dates</b>	<b>Topic</b>	<b>Material (primary)</b>
<b>Topic 1</b> Weeks 1, 2	<u>Review:</u> Basic Mathematical Tools, Fundamentals of Probability Fundamentals of Mathematical Statistics	Notes, Wooldridge (Ap. A, B, C)
<b>Topic 2</b> Weeks 3, 4	Econometrics and Economic Data Simple Regression Model	Wooldridge (Ch.1, 2)
<b>Topic 3</b> Weeks 5, 6, 8	Multiple Regression Analysis: Estimation Inference	Wooldridge (Ch. 3, 4)

**Week no 7, Winter Break: February 19<sup>th</sup> – February 23<sup>rd</sup>**

<b>Topic 4</b> Weeks 9, 10, 11	Multiple Regression Analysis: OLS Asymptotic Theory Further Issues Qualitative Information (Binary Variables)	Wooldridge (Ch. 5, 6, 7)
<b>Topic 5</b> Weeks 12, 13	Misspecification: Heteroskedasticity Testing	Notes, Wooldridge (8, 9)
<b>Topic 6</b> Week 14	The Linear Regression Model in Matrix Form Review	Notes, Wooldridge (Adv. Treat. E)

**April 11<sup>th</sup>-April 23<sup>rd</sup>: Final Exam**

**Notes:**

Week 01: Jan 10<sup>th</sup>, Jan 12<sup>th</sup>  
 Week 02: Jan 17<sup>th</sup>, Jan 19<sup>th</sup>  
 Week 03: Jan 24<sup>th</sup>, Jan 26<sup>th</sup>  
 Week 04: Jan 31<sup>st</sup>  
 Week 05: Feb 7<sup>th</sup>, Feb 9<sup>th</sup>

Week 06: Feb 14<sup>th</sup>, Feb 16<sup>th</sup>  
 Week 07: Feb 21<sup>st</sup>, Feb 23<sup>rd</sup>  
 Week 08: Feb 28<sup>th</sup>, Mar 1<sup>st</sup>  
 Week 09: Mar 6<sup>th</sup>, Mar 8<sup>th</sup>  
 Week 10: Mar 13<sup>th</sup>, Mar 15<sup>th</sup>

Week 11: Mar 20<sup>th</sup>, Mar 22<sup>nd</sup>  
 Week 12: Mar 27<sup>th</sup>  
 Week 13: Apr 3<sup>rd</sup>, Apr 5<sup>th</sup>  
 Week 14: Apr 8<sup>th</sup>, Apr 9<sup>th</sup>

## University Policies and Statements

**This course is governed by the academic rules and regulations set forth in the University Calendar and by Senate**

### **Recognition of Mi'kmaq Territory**

Dalhousie University would like to acknowledge that the University is on Traditional Mi'kmaq Territory. The Elders in Residence program provides students with access to First Nations elders for guidance, counsel, and support. Visit or e-mail the Indigenous Student Centre at 1321 Edward St or [elders@dal.ca](mailto:elders@dal.ca). Additional information regarding the Indigenous Student Centre can be found at: [https://www.dal.ca/campus\\_life/communities/indigenous.html](https://www.dal.ca/campus_life/communities/indigenous.html)

### **Internationalization**

At Dalhousie, 'thinking and acting globally' enhances the quality and impact of education, supporting learning that is "interdisciplinary, cross-cultural, global in reach, and orientated toward solving problems that extend across national borders." Additional internationalization information can be found at: <https://www.dal.ca/about-dal/internationalization.html>

### **Academic Integrity**

At Dalhousie University, we are guided in all our work by the values of academic integrity: honesty, trust, fairness, responsibility, and respect. As a student, you are required to demonstrate these values in all the work you do. The University provides policies and procedures that every member of the university community is required to follow to ensure academic integrity. Additional academic integrity information can be found at: [https://www.dal.ca/dept/university\\_secretariat/academic-integrity.html](https://www.dal.ca/dept/university_secretariat/academic-integrity.html)

### **Accessibility**

The Student Accessibility Centre is Dalhousie's centre of expertise for matters related to student accessibility and accommodation. If there are aspects of the design, instruction, and/or experiences within this course (online or in-person) that result in barriers to your inclusion, please contact the Student Accessibility Centre ([https://www.dal.ca/campus\\_life/academic-support/accessibility.html](https://www.dal.ca/campus_life/academic-support/accessibility.html)) for all courses offered by Dalhousie with the exception of Truro. For courses offered by the Faculty of Agriculture, please contact the Student Success Centre in Truro (<https://www.dal.ca/about-dal/agricultural-campus/student-success-centre.html>)

### **Conduct in the Classroom – Culture of Respect**

Substantial and constructive dialogue on challenging issues is an important part of academic inquiry and exchange. It requires willingness to listen and tolerance of opposing points of view. Consideration of individual differences and alternative viewpoints is required of all class members, towards each other, towards instructors, and towards guest speakers. While expressions of differing perspectives are welcome and encouraged, the words and language used should remain within acceptable bounds of civility and respect.

### **Diversity and Inclusion – Culture of Respect**

Every person at Dalhousie has a right to be respected and safe. We believe inclusiveness is fundamental to education. We stand for equality. Dalhousie is strengthened in our diversity. We are a respectful and inclusive community. We are committed to being a place where everyone feels welcome and supported, which is why our Strategic Direction prioritizes fostering a culture of diversity and inclusiveness (Strategic Priority 5.2). Additional diversity and inclusion information can be found at: <http://www.dal.ca/cultureofrespect.html>



### **Student Code of Conduct**

Everyone at Dalhousie is expected to treat others with dignity and respect. The Code of Student Conduct allows Dalhousie to take disciplinary action if students don't follow this community expectation. When appropriate, violations of the code can be resolved in a reasonable and informal manner - perhaps through a restorative justice process. If an informal resolution can't be reached, or would be inappropriate, procedures exist for formal dispute resolution. The full Code of Student Conduct can be found at: [https://www.dal.ca/dept/university\\_secretariat/policies/student-life/code-of-student-conduct.html](https://www.dal.ca/dept/university_secretariat/policies/student-life/code-of-student-conduct.html)

### **Fair Dealing Policy**

The Dalhousie University Fair Dealing Policy provides guidance for the limited use of copyright protected material without the risk of infringement and without having to seek the permission of copyright owners. It is intended to provide a balance between the rights of creators and the rights of users at Dalhousie. Additional information regarding the Fair Dealing Policy can be found at: [https://www.dal.ca/dept/university\\_secretariat/policies/academic/fair-dealing-policy.html](https://www.dal.ca/dept/university_secretariat/policies/academic/fair-dealing-policy.html)

### **Originality Checking Software**

The course instructor may use Dalhousie's approved originality checking software and Google to check the originality of any work submitted for credit, in accordance with the Student Submission of Assignments and Use of Originality Checking Software Policy. Students are free, without penalty of grade, to choose an alternative method of attesting to the authenticity of their work and must inform the instructor no later than the last day to add/drop classes of their intent to choose an alternate method. Additional information regarding Originality Checking Software can be found at: [https://www.dal.ca/dept/university\\_secretariat/policies/academic/student-submission-of-assignments-and-use-of-originality-checking-software-policy.html](https://www.dal.ca/dept/university_secretariat/policies/academic/student-submission-of-assignments-and-use-of-originality-checking-software-policy.html)

### **Student Use of Course Materials**

Course materials are designed for use as part of this course at Dalhousie University and are the property of the instructor unless otherwise stated. Third party copyrighted materials (such as books, journal articles, music, videos, etc.) have either been licensed for use in this course or fall under an exception or limitation in Canadian Copyright law. Copying this course material for distribution (e.g. uploading to a commercial third-party website) may lead to a violation of Copyright law.

## Student Resources and Support

### University Policies and Programs

Important Dates in the Academic Year (including add/drop dates):

[http://www.dal.ca/academics/important\\_dates.html](http://www.dal.ca/academics/important_dates.html)

Classroom Recording Protocol:

[https://www.dal.ca/dept/university\\_secretariat/policies/academic/classroom-recording-protocol.html](https://www.dal.ca/dept/university_secretariat/policies/academic/classroom-recording-protocol.html)

Dalhousie Grading Practices Policies:

[https://www.dal.ca/dept/university\\_secretariat/policies/academic/grading-practices-policy.html](https://www.dal.ca/dept/university_secretariat/policies/academic/grading-practices-policy.html)

Grade Appeal Process:

[https://www.dal.ca/campus\\_life/academic-support/grades-and-student-records/appealing-a-grade.html](https://www.dal.ca/campus_life/academic-support/grades-and-student-records/appealing-a-grade.html)

Sexualized Violence Policy:

[https://www.dal.ca/dept/university\\_secretariat/policies/health-and-safety/sexualized-violence-policy.html](https://www.dal.ca/dept/university_secretariat/policies/health-and-safety/sexualized-violence-policy.html)

Scent-Free Program:

<https://www.dal.ca/dept/safety/programs-services/occupational-safety/scent-free.html>

### Learning and Support Resources

General Academic Support – Advising (Halifax):

[https://www.dal.ca/campus\\_life/academic-support/advising.html](https://www.dal.ca/campus_life/academic-support/advising.html)

General Academic Support – Advising (Truro):

<https://www.dal.ca/about-dal/agricultural-campus/ssc/academic-support/advising.html>

Student Health & Wellness Centre:

[https://www.dal.ca/campus\\_life/health-and-wellness.html](https://www.dal.ca/campus_life/health-and-wellness.html)

On Track (helps you transition into university, and supports you through your first year at Dalhousie and beyond):

[https://www.dal.ca/campus\\_life/academic-support/On-track.html](https://www.dal.ca/campus_life/academic-support/On-track.html)

Indigenous Student Centre:

[https://www.dal.ca/campus\\_life/communities/indigenous.html](https://www.dal.ca/campus_life/communities/indigenous.html)

Indigenous Connection:

<https://www.dal.ca/about-dal/indigenous-connection.html>

Elders-in-Residence (The Elders in Residence program provides students with access to First Nations elders for guidance, counsel, and support. Visit the office in the Indigenous Student Centre or contact the program at [elders@dal.ca](mailto:elders@dal.ca) or 902-494-6803:

<https://cdn.dal.ca/content/dam/dalhousie/pdf/academics/UG/indigenous-studies/Elder-Protocol-July2018.pdf>

Black Student Advising Centre:

[https://www.dal.ca/campus\\_life/communities/black-student-advising.html](https://www.dal.ca/campus_life/communities/black-student-advising.html)

International Centre:

[https://www.dal.ca/campus\\_life/international-centre.html](https://www.dal.ca/campus_life/international-centre.html)

South House Sexual and Gender Resource Centre:

<https://southhousehalifax.ca/about/>

LGBTQ2SIA+ Collaborative:

<https://www.dal.ca/dept/vpei/edia/education/community-specific-spaces/LGBTQ2SIA-collaborative.html>

Dalhousie Libraries:

<http://libraries.dal.ca/>

Copyright Office:

<https://libraries.dal.ca/services/copyright-office.html>

Dalhousie Student Advocacy Services:

<https://www.dsu.ca/dsas?rq=student%20advocacy>

Dalhousie Ombudsperson:

[https://www.dal.ca/campus\\_life/safety-respect/student-rights-and-responsibilities/where-to-get-help/ombudsperson.html](https://www.dal.ca/campus_life/safety-respect/student-rights-and-responsibilities/where-to-get-help/ombudsperson.html)

Human Rights and Equity Services:

<https://www.dal.ca/dept/hres.html>

Writing Centre:

[https://www.dal.ca/campus\\_life/academic-support/writing-and-study-skills.html](https://www.dal.ca/campus_life/academic-support/writing-and-study-skills.html)

Study Skills/Tutoring:

[http://www.dal.ca/campus\\_life/academic-support/study-skills-and-tutoring.html](http://www.dal.ca/campus_life/academic-support/study-skills-and-tutoring.html)

Faculty of Science Advising Support:

<https://www.dal.ca/faculty/science/current-students/undergrad-students/degree-planning.html>

### **Safety**

Biosafety:

<http://www.dal.ca/dept/safety/programs-services/biosafety.html>

Chemical Safety:

<https://www.dal.ca/dept/safety/programs-services/chemical-safety.html>

Radiation Safety:

<http://www.dal.ca/dept/safety/programs-services/radiation-safety.html>

Laser Safety:

<https://www.dal.ca/dept/safety/programs-services/radiation-safety/laser-safety.html>

## DEPARTMENT OF ECONOMICS STATEMENT ON ACADEMIC INTEGRITY

At Dalhousie University, we respect the values of academic integrity: honesty, trust, fairness, responsibility, and respect. As a student, adherence to the values of academic integrity and related policies is a requirement of being part of the academic community at Dalhousie University.

### What does academic integrity mean?

Academic integrity means being honest in the fulfillment of your academic responsibilities, thus establishing mutual trust. Fairness is essential to the interactions of the academic community and is achieved through respect for the opinions and ideas of others. “Violations of intellectual honesty are offensive to the entire academic community, not just to the individual faculty member and students in whose class an offence occurs.”

(<http://academiccalendar.dal.ca/Catalog/ViewCatalog.aspx?pageid=viewcatalog&catalogid=1&chapterid=89&topicgroupid=381&loadusercredits=False>)

### How can you achieve academic integrity?

- Make sure you understand Dalhousie’s policies on academic integrity.
- While discussion with your fellow students is valuable, do not submit an assignment or essay that is essentially identical to an assignment or essay submitted by another individual or group.
- In assignments or essays, use an approved method of citation for any material taken directly from an existing source or any material that is a paraphrase of an existing source.
- Do not download the work of another from the Internet and submit it as your own.
- Do not submit work that has been completed through collaboration or previously submitted for another assignment without permission from your instructor.
- Do not have someone else write a test for you, or write a test for someone else.
- During a test, do not talk with other students and do not try to copy the work of another student.

### What will happen if an allegation of an academic offence is made against you?

Instructors are required to report any suspected offence. The full process is outlined in the Discipline flow chart (found at <http://academicintegrity.dal.ca>) and includes the following:

- Each Faculty has an Academic Integrity Officer (AIO) who receives allegations from instructors.
- The AIO decides whether to proceed with the allegation and you will be notified of the process.
- If the case proceeds, you will receive a PENDING grade until the matter is resolved.
- If you are found guilty of an academic offence, a penalty will be assigned ranging from a warning to suspension or expulsion from the University and can include a notation on your transcript, failure of the assignment, or failure of the course. All penalties are academic in nature.

### Where can you turn for help?

- If you are ever unsure about ANYTHING, contact your instructor.
- See <http://academicintegrity.dal.ca> for links to policies, definitions, online tutorials, and tips on citing and paraphrasing.
- See <http://writingcentre.dal.ca> for assistance with proofreading, writing styles, and citations.
- See <http://libraries.dal.ca/research.html> for a set of research tools including Subject Guides, Assignment Calculator, and RefWorks.
- See <http://studentservices.dal.ca> for assistance with appeals and discipline procedures.
- See <http://senate.dal.ca> for a list of Academic Integrity Officers, a discipline flow chart, and the Senate Discipline Committee.

The [Policy on Student Submission of Assignments & Use of Originality Checking Software](#) states that “any instructor may require student assignments to be submitted in both written and electronic (computer-readable) form, e.g., a text file or as an email attachment, as defined by the instructor. Use of third-party originality checking software does not preclude instructor use of alternate means to identify lapses in originality and attribution. The results of such assessment may be used as evidence in any disciplinary action taken by the Senate.”