

# ECONOMICS 600 (FALL 2018)

TAO CHEN

## COURSE DESCRIPTION

This course is designed to review the basic mathematical background that incoming masters and doctoral students will need for their core economics and econometrics courses. Most topics should be a review but if they are not, they should be an introduction to the basic tools that will be used in theory classes that begin in the fall term.

## TOPICS

We plan to cover the following topics:

1. Basic mathematical analysis
2. Linear algebra
3. Calculus
4. Optimization
5. Probability theory

## GRADING

The assignments are meant to reinforce the lecture material and give you practice for the exams. There are two exams on Sept. 3, 1 – 3 pm and September 8, 10 am – 12 pm. The course will be graded on a pass/fail basis.

## CLASS TIME

Aug. 27, 10 am – 3:10 pm; Aug. 28 to Sept. 5, 10 am – 3:10 pm in EV3 4408  
Sept. 6, 6:30 – 9:20 pm; Sept. 7, 6:30 – 8:10 pm in HH 2104.

## TUTORIALS

Tutorial Instructor: Andrés Arcila-Vasquez

Aug. 27, 3:20 – 4:20 pm; Aug. 28 to Sept. 4, 8:30 – 10 am; Sept. 5, 3:20 – 4:20 pm in EV3  
4408  
Sept. 7, 8:20 – 9:20 pm in HH 2104.

## CONTACT INFORMATION

- Room: 207 HH
- Phone: 519-888-4567 ext. 32558
- Email: t66chen@uwaterloo.ca

## ACADEMIC INTEGRITY, GRIEVANCE, DISCIPLINE, APPEALS AND NOTE FOR STUDENTS WITH DISABILITIES

See [www.uwaterloo.ca/accountability/documents/courseoutlinestmts.pdf](http://www.uwaterloo.ca/accountability/documents/courseoutlinestmts.pdf). The text for this web site is listed below:

- Academic Integrity: In order to maintain a culture of academic integrity, members of the University of Waterloo community are expected to promote honesty, trust, fairness, respect and responsibility. [Check [www.uwaterloo.ca/academicintegrity/](http://www.uwaterloo.ca/academicintegrity/) for more information.]
- Grievance: A student who believes that a decision affecting some aspect of his/her university life has been unfair or unreasonable may have grounds for initiating a grievance. Read Policy 70, Student Petitions and Grievances, Section 4, [www.adm.uwaterloo.ca/infosec/Policies/policy70.htm](http://www.adm.uwaterloo.ca/infosec/Policies/policy70.htm). When in doubt please be certain to contact the departments administrative assistant who will provide further assistance.
- Discipline: A student is expected to know what constitutes academic integrity [check [www.uwaterloo.ca/academicintegrity/](http://www.uwaterloo.ca/academicintegrity/)] to avoid committing an academic offence, and to take responsibility for his/her actions. A student who is unsure whether an action constitutes an offence, or who needs help in learning how to avoid offences (e.g., plagiarism, cheating) or about rules for group work/collaboration should seek guidance from the course instructor, academic advisor, or the undergraduate Associate Dean. For information on categories of offences and types of penalties, students should refer to Policy 71, Student Discipline, [www.adm.uwaterloo.ca/infosec/Policies/policy71.htm](http://www.adm.uwaterloo.ca/infosec/Policies/policy71.htm). For typical penalties check Guidelines for the Assessment of Penalties, [www.adm.uwaterloo.ca/infosec/guidelines/penaltyguidelines.htm](http://www.adm.uwaterloo.ca/infosec/guidelines/penaltyguidelines.htm).
- Appeals: A decision made or penalty imposed under Policy 70 (Student Petitions and Grievances) (other than a petition) or Policy 71 (Student Discipline) may be appealed if there is a ground. A student who believes he/she has a ground for an appeal should refer to Policy 72 (Student Appeals) [www.adm.uwaterloo.ca/infosec/Policies/policy72.htm](http://www.adm.uwaterloo.ca/infosec/Policies/policy72.htm).
- Note for Students with Disabilities: The Office for persons with Disabilities (OPD), located in Needles Hall, Room 1132, collaborates with all academic departments to arrange appropriate accommodations for students with disabilities without compromising the academic integrity of the curriculum. If you require academic accommodations to lessen the impact of your disability, please register with the OPD at the beginning of each academic term.
- Turnitin.com: Plagiarism detection software (Turnitin) will be used to screen assignments in this course. This is being done to verify that use of all material and sources in assignments is documented. In the first week of the term, details will be provided about the arrangements for the use of Turnitin in this course. Note: students must be given a reasonable option if they do not want to have their assignment screened by Turnitin. See: <http://www.uwaterloo.ca/academicintegrity/Turnitin/index.html> for more information.