Department of Agribusiness and Agricultural Economics
University of Manitoba

ABIZ/ECON 7950 Advanced Agricultural Demand Analysis
Winter 2021

Lectures: Tuesdays 10:00 am – 12:30 pm
Class web page: www.umanitoba.ca/umlearn
Zoom link:
https://zoom.us/j/98244420703?pwd=eE5KOG1KREZnUmpDSE9iL2RNUlpQT09
Meeting ID: 982 4442 0703
Passcode: Demand

Instructor
Dr. Julieta Frank
Phone: (204) 272-1608
E-mail: Julieta.Frank@umanitoba.ca
Office hours: Tuesdays 11:15 am – 12:30 pm or by appointment, same zoom link listed above.

Course Description
In this course we will examine theory and applications of demand systems used primarily in agricultural settings, although other markets may be explored. We will begin with consumer demand theory, restrictions, and dual relationships. A large part of the course will be devoted to understanding how and why agricultural demand is specified and used. Specification of single demand equations will include functional forms, transformations, and dynamic models. Emphasis will be placed on demand systems: Linear Expenditure System (LES), Rotterdam, Almost Ideal Demand System (AIDS), Translog, and Inverse models. The relationship between price flexibilities and price elasticities will be also discussed. Finally, we will cover discrete choice models for demand.

Course Objectives
By the end of this course students should:
• Have a thorough understanding of the underlying theory of consumer behaviour
• Develop economic intuition
• Be able to bridge theory with empirical implementation
• Comprehend the analytical procedures and empirical techniques used in consumer demand
• Be able to formulate, estimate, and test complete systems of consumer demand equations
• Be familiar with the literature of consumer demand applied to agricultural settings

Course website
Class material will be posted on UM Learn (www.umanitoba.ca/umlearn). The page provides announcements, information about the course, grades, and other pertinent information. You may also use UM Learn to submit your assignments. I strongly recommend you to check the course website frequently during the term, especially for announcements prior to class. If you have trouble logging into UM Learn please contact the Information Services & Technology (IST) Service Desk by phone at (204) 474-8600, or by e-mail at servicedesk@umanitoba.ca.
Course Material

Materials will be drawn from various sources, including book chapters and journal articles. The book by A. Deaton and J. Muellbauer, *Economics and Consumer Behavior*, Cambridge University Press, is a highly recommended reference and contains much of the material we will cover in class. Also, your microeconomics and econometrics textbooks from previous courses may be valuable references. A reading list where you can download almost all of the material needed for class is posted in the course website.

Course Format and Requirements

I will post pre-recorded lectures in the class website. We will meet over zoom for discussions and to answer questions on the first half of the Tuesdays’ schedule. Several times throughout the course students will be assigned a journal article to lead the class discussion. I will send announcements to the class confirming if we are meeting or not. I will be logged in for the second half of Tuesdays’ schedule for office hours. To pass the course students are expected to complete homework assignments, a term paper, a midterm, and a final exam.

Homework Assignments

Assignments will be given throughout the term. I encourage you to work together and discuss problem sets with your classmates, but you must submit a separate assignment which must be entirely your own work. Assignments are expected to be presented in an organized and legible manner. When appropriate, you are also expected to provide economic discussion of models and interpretation of economic results. We will discuss R in class, which is easily available to all students, however, you may use the econometrics software of your choice.

Term paper

The term paper should address a consumer demand problem using the methods discussed in class. Research problems can be identified through the readings. You are also welcome to meet with me for further discussion of your research topic. A written proposal including selected references is due on February 12. At this stage, you should focus on identifying the problem and suggesting, in general terms, what theory, procedures and data might be used. A preliminary written report with a brief in-class oral presentation is due on March 23. You should briefly revisit the motivation for the analysis, but focus on a discussion of the data, any preliminary results, and problems you are encountering with the work. In-class discussion is expected. The final paper is due on April 13. The paper should not exceed 20 pages (double spaced), including tables, figures, and references. Please proofread and spell-check your work before submitting it.

Every year the reference and liaison librarian of the Agriculture Library, Ryan Schultz (Ryan.Schultz@umanitoba.ca) conducts three workshops to show graduate students in our Department library resources that may be helpful for their term paper and further research in general. The workshop took place in the Fall term and the recordings are available in the course website. There are three workshops:

- Incorporating information literacy into your research process
- Data sources
- Mendeley reference management software
Exams
There will be a midterm exam and a final exam. The midterm exam will be on March 2. The final exam will be comprehensive and will take place during the final exam period.

Grading
Homework Assignments  15%
Midterm Exam  25%
Term paper  30%  (proposal: 6%, preliminary report: 9%, final paper: 15%)
Final Exam  30%

Make-Up Policy
There will be NO make-up assignments/exams. Legitimate absences that are appropriately documented will be considered on a case by case basis. Failure to write a scheduled in-class exam without valid documentation will result in a grade of zero. Late or missed homework assignments will also receive a grade of zero.

Class communication
All communication for the course must comply with the Electronic Communication with Students Policy, which requires the use of your university email (http://umanitoba.ca/admin/governance/governing_documents/community/electronic_communication_with_students_policy.html). Please activate your account and check your university email regularly.

Academic Integrity
All University of Manitoba guidelines for academic honesty apply in this class. Students are expected to do their own assignments and exams. Plagiarism or any other form of cheating in assignments, examinations or term tests is subject to serious academic penalty. A student found guilty of contributing to cheating in examinations or term assignments is also subject to serious academic penalty (see the University of Manitoba’s General Calendar for further details).

Accommodations for students with disabilities
I am available to discuss appropriate academic accommodations that may be required for students with disabilities. Requests for academic accommodations are to be made during the first three weeks of the term, except for unusual circumstances, so arrangements can be made. Students are encouraged to register with Student Accessibility Services (SAS - http://umanitoba.ca/student/saa/accessibility) to verify their eligibility for appropriate accommodations. You can contact the SAS office by phone at (204) 474-7423, or by email at student_accessibility@umanitoba.ca.

ROASS Schedule A
Schedule A of the Responsibilities of Academic Staff with regards to Students (ROASS) provides information on various University policies and resources that are available for students. Schedule A is posted on the course website. It is important that you familiarize yourself with this document.
Important dates
January 29: Last day to drop courses
February 1: Last day to add courses
February 12: Term paper proposal due
February 15: Louis Riel Day
February 16-19: Winter term break
March 2: Midterm exam
March 23: Preliminary report due
March 31: Last day for voluntary withdrawal (VW)
April 2: Good Friday
April 13: Term paper due
April 16: Last day of classes
April 19-May 1: Final exam period
Course Outline and List of Readings

1. Consumer Demand Theory


2. Single Equation Demand Relationships


3. Demand Systems


4. Aggregation and Separability


5. Time series, Specification and Structural Change


6. Discrete Choice Models

Train, K. *Qualitative Choice Analysis: Theory, Econometrics, and an Application to Automobile Demand*, MIT Press, 1993, Chapters 1-3.
