# Economics 318: Econometrics

## last updated 1/12/15 5:48 PM

We are drowning in information and starving for knowledge. -R. D. Roger

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Classroom	BBH 317 (section 1)		
Class Times	January 9, 2015 – April 27, 2015		
	MW	4:15 pm - 5:30 pm	
Exam Dates	Exam 1	Wednesday, February 11	
	Exam 2	Wednesday, March 11	
	Exam 3	Wednesday, April 22	
Instructor	Richard Schwinn		
Contact Info.	r-schwinn@neiu.edu & (773) 442–5699		
Notable Dates	January 19	Martin Luther King, Jr.'s Birthday Holiday	
	February 12	Lincoln's Birthday Holiday	
	March 16-22	Spring Recess	
Office	BBH 207		
Office Hours	MW	12:30 pm – 2:30 pm	
Text	The text, Elia Kacapyr's A Guide to Basic Econometric Techniques (ISBN: 978-0765644770), is \$31.28 with free 2-day shipping on Amazon.com. The eText version offered by the publisher is unwieldy and not recommended.		
Webpage	http://neiuport.neiu.edu (follow the desire2learn link)		

## Policies

Academic	This class will follow the NEIU policy on academic. A score of zero will be given					
Integrity	for the entire assignment or exam in which academic dishonesty occurs. Any class behavior that directly disrupts the learning of another student is prohibited					
Assessment	Assignments $+$ Attendance $+$ Exams $+$ Project $->$ Grade $25\%$ $+$ $10\%$ $+$ $45\%$ $+$ $20\%$ $=$ $100\%$ A $[100-90\%]$ B $(90-80\%]$ C $(80-70\%]$ D $(70-60\%]$ F $(60-00]$					
Assignments	(Max: 25%) Some assignments are due via the NEIU Desire2 Learn website. See the attached handout for more information.					
Attendance	(Max: 10%) Attendance and participation are taken into account. Each student begins with the full 10%. If a student is not present when I call their name in class, I deduct 1% from their participation grade. Each student is allowed up to three class exemptions.					
Exams	(Max: 45%) There will be 3 non-cumulative exams worth 15% each for a total of $45\%$ of your final grade.					
Extra Credit	Extra credit in the form of "bonus points", for participation in discussions and solutions to in-class problems and team challenges, will be offered generously throughout every lecture. Each bonus point is 0.1% of your final grade. Bonus points earned via regular participation may increase one's grade by as much as a full letter grade.					
Objectives	Using ordinary least squares, regression and its extensions, students will,					
	by the end of this course, learn to:					
	Specify economic models					
	Measure variables					
	<ul> <li>Estimate economic relationships</li> </ul>					
	<ul> <li>Test economic hypotheses and</li> </ul>					
	<ul> <li>Diagnose and treat issues of multicollinearity, endogeneity, and heteroskedasticity.</li> </ul>					
Project	(Max: 20%) Each student will gather data and perform a pre-defined set of statistical tests on the data. See handout for further information.					

### PROPOSED SCHEDULE

Days	Dates	Topics and Events
Monday	1/5/15	- 1. The Nature of Econometrics (9 pages)
Wednesday	1/7/15	
Monday	1/12/15	
Wednesday	1/14/15	1. The Nature of Econometrics (9 pages)
Monday	1/19/15	
Wednesday	1/21/15	2. Simple Regression Analysis (15 pages)
Monday	1/26/15	- 3. Residual Statistics (8 pages)
Wednesday	1/28/15	
Monday	2/2/15	4. Hypothesis Testing (13 pages)
Wednesday	2/4/15	
Monday	2/9/15	5. Multiple Regression (16 pages)
Wednesday	2/11/15	Exam 1
Monday	2/16/15	5. Multiple Regression (16 pages) &
Wednesday	2/18/15	6. Alternate Functional Forms (15 pages)
Monday	2/23/15	- 6. Alternate Functional Forms (continued)
Wednesday	2/25/15	
Monday	3/2/15	7 D. L. W. H. (10
Wednesday	3/4/15	7. Dichotomous Variables (16 pages)
Monday	3/9/15	8. Properties of Ordinary Least Squares Estimators (10
Wednesday	3/11/15	pages) & Exam 2
Monday	3/16/15	g : p
Wednesday	3/18/15	- Spring Recess
Monday	3/23/15	0 Maltiallinanita (0)
Wednesday	3/25/15	9. Multicollinearity (9 pages)
Monday	3/30/15	10 H
Wednesday	4/1/15	- 10 Heteroskedasticity (11 pages)
Monday	4/6/15	11 0 : 10 11: (14
Wednesday	4/8/15	- 11. Serial Correlation (14 pages)
Monday	4/13/15	10 D
Wednesday	4/15/15	- 13. Forecasting with Regression Models (17 pages)
Monday	4/20/15	- Exam 3
Wednesday	4/22/15	
Monday	4/27/15	Submit Final Project

#### Desire2Learn

#### Access

This course requires regular access to the Desire2Learn (D2L) course website (<a href="https://neiu.desire2learn.com/">https://neiu.desire2learn.com/</a>). For a quick introduction to using D2L, please visit: <a href="http://homepages.neiu.edu/~ctl/D2L">http://homepages.neiu.edu/~ctl/D2L</a> students.html.

#### Assignments

Your assignments are found by

- signing into D2L at https://neiu.desire2learn.com/;
- then selecting our course from the top menu bar;
- ullet and finally selecting Assessments -> Quizzes from the second menu bar, as shown in the screen capture below:

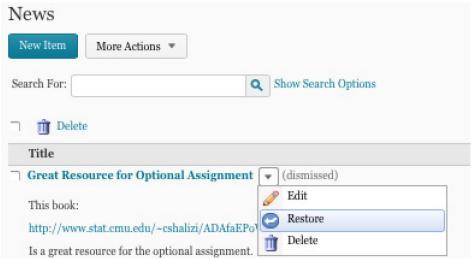


#### Files

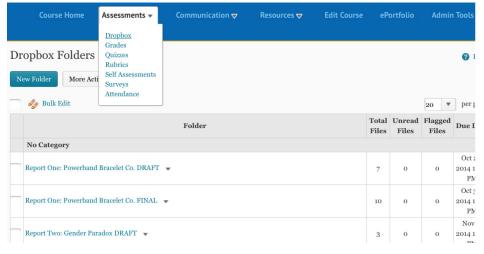
Files for the course are found in the *Course News* section of the *Course Home* page as seen in the capture below:



Files (cont.) If you do not see any files, you may have dismissed the news item with the course files. Click on Course News to restore news items as shown:



Submitting Submit your papers using the D2L course Dropbox by selecting Assessments -> Dropbox as shown below:



I,, have read and understan	nd $the$
format of this course and the policies described	in the
syllabus. I acknowledge that failure to comply with the	terms
of the syllabus may affect my success in this class.	
Course:	
Print Name:	
Signature:	
Date:	