

Course	<b>GST 200: Quantitative Reasoning/Statistical Literacy.</b> Obtaining a Pass or a 2.0 satisfies the Quantitative Foundation (QF) and Application (QA) graduation skills.
Registration	Registration begins: April 18. Web registration closes: 4/29. Register in-person w/o late fee by 5/16. <b>Class begins: May 16. Note early date!!!</b>
Approach	This course is an on-line course. All homework, chapter quizzes and essay analysis are done online. There is no class attendance required for this class. Forums will be used to discuss student questions, issues and problems.
Course Goal:	To help students read and interpret the summary statistics found in tables, graphs, statements, survey and studies. Students will analyze news stories that use summary statistics as evidence for causal connections. Students will learn how to distinguish stronger evidence from weaker evidence.
Essay Analysis	Analyzing articles from the media is a key component of statistical literacy. This involves understanding the context – the ability of different study designs, ratios and statistical comparisons to ward off the influence of plausible confounders.
Schedule	\$1,675 per full-credit course online (1.0 credit). \$770 fee for audit (0.0 credit) 4/19: Augsburg student registration opens online. 4/30: Walk-in and distance (fax) registrations processed. <b>May 16: Classes begin.</b> Last day for registration without a late fee. May 20: Last day for registration with a \$100 late fee. July 1 <sup>st</sup> : Classes end.
Instructor	Milo Schield, 612-330-1153, Memorial 314 <a href="mailto:Schield@augsborg.edu">Schield@augsborg.edu</a>
Instructor commitment	To log into the course daily. To respond to questions and grade essay homework within 24 hours. To e-mail the class whenever new assignments are posted.
Student commitments	To check Augsburg e-mail daily for any updates. To do all homework, forum posts and Odyssey challenges by the date/time due. This is a homework intensive class.
Textbook:	" <i>Statistical Literacy 2009</i> " textbook available in bookstore (\$50). To order online:: <a href="http://augsborg.bncollege.com">http://augsborg.bncollege.com</a> 1) Select term: <i>Summer I</i> . 2) Select department: <i>GST</i> 3) Select course: <i>200</i> . 4) Select section: <i>L</i> . Press <i>Continue</i> . Step 2: Press " <i>View textbook list</i> " Select " <i>New</i> " Press " <i>Add to cart.</i> " Press <i>Checkout</i> Enter information needed to process book order online.
Project	Students will describe, compare and analyze survey data.
Odysseys	Students will enroll in the Odysseys2Sense program online. Cost \$5 per person.
Grade Components	* 20% for Moodle homework (5 chapters; 4% each). Online, untimed * 20% for Moodle quizzes (Five quizzes at 5% each). Online, timed, 1 try * 20% based on your cumulative Odyssey power at end of the course. Online * 15% Project description and analysis. * 25% Final. Ch. 1-5 (just parts covered in class). Online, timed.
Course Mathematics	All homework and quizzes are on-line in Moodle. All open book. Math level is arithmetic and algebra I.

## Class Schedule

#	Date	ACTIVITIES: Textbook	Text/Moodle Assign	Quiz	Odyssey
0	5/16	Course starts. Moodle forum intros.	Moodle COX		Intro
1	5/16	Assign: Ch 1 Statistical Literacy	Text: Entire chapter		
2	5/22	Due Sunday: Chapter 1	Moodle Chapter 1		Challenges 1, 2
3	5/23	Assign Ch 2 Take Care.	Text: Entire chapter		
4	5/29	Due Sunday: Chapter 2	Moodle Chapter 2	Qz 1	Challenges 3, 4
5	5/30	Assign Ch 3 Measures/Standardizing	Text: P. 113-158		
6	6/05	Due Sunday: Chapter 3	Moodle Chapter 3	Qz 2	Challenges 5, 6
7	6/06	Ch 4 Percents & percentages: tables	Text: P. 187-211		
8	6/12	Due Sunday: Chapter 4	Moodle Chapter 4	Qz 3	Challenges 7, 8
9	6/13	Ch 5 Likely compares	P. 257-265		
10	6/19	Due Sunday: Chapter 5	Moodle Chapter 5	Qz 4	Challenges 9, 10
11	6/20	Final project write up. s			
12	6/26	Final review: Ch 1-5, Essays review		Qz 5	Challenges 11. 12
12	7/01	<b>Due Sunday Final Ch 1-5</b>			Project

## ODYSSEY OVERVIEW

This class uses a new on-line multiplayer game called “Odyssey” involving a number of challenges. In participating you gain “Power”. For more details on Odyssey, see the Odyssey Introduction in Moodle.

## MOODLE

Moodle is an online course management system. It contains your assignments, resources and your grade book. Moodle assignments are of two kinds: exercises and quizzes.

Moodle also contains a forum: our primary means of handling spontaneous questions or comments. Anyone in the class can post anything related to the course (e.g., introductions, questions, comments).

## APPROACH TO ONLINE COURSE EACH WEEK

Doing well in an online course takes discipline. It is all too easy to procrastinate and get behind. Follow these steps initially and then modify them as needed for your situation. Estimated time: 8 hrs/wk.

1. Mon 20 (after first chapter): Review results of previous week’s exercises posted in Moodle.
2. Mon 60 (after first chapter): Take the chapter quiz on the previous week’s assignment.

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3. Tues 20 Odyssey: craft and post your response (and reviews) to each challenge.
4. Tues 5 Check your syllabus for the material assigned for the current week.
5. Tues 20 Text: **Scan through chapter** pictures, graphs, tables and examples.
6. Tues 5 Text: Review the chapter objectives on pages 6-7.
7. Tues 5 Moodle: Check assignments to see what topics/pages are covered.
8. Wed 95 Text: **Read JUST those parts of the chapter involving the Moodle exercises.**
9. Thurs 90 Moodle: Make first try on each of the Moodle exercises
10. Thurs 5 Moodle Grade book: See which topics you need to review in the chapter.
11. Fri 15 Text: Review those chapter topics needed to improve your Moodle scores.
12. Fri 45 Odyssey: Return to critique the reviews and critiques of others.
13. Sa-Su 45 Moodle: Complete your second try on your Moodle exercises.
14. Sa-Su 45 Odyssey: Return again to critique the reviews and critiques of others.
15. Sun Complete each week’s work by 6 PM (CST).