Applied Business Economics Syllabus

BECO 3310-001 MWF 8:00 – 8:50 AM Rawls College of Business, Room 101 Fall 2020

Lecture (Hybrid: Alternating Attendance)

Instructor Information

Instructor: Justin Callais **Office:** Rawls NW 307

Office Hours: MW 9-10; TR 9:30-10:30, or by appointment (in person or Zoom)

Email: justin.callais@ttu.edu

Course Description:

The purpose of this course is to provide students with a better understanding of the relationship between the economic way of thinking and business decisions and strategy.

Required text:

This course requires MindTap for Mankiw: *Principles of Microeconomics 9e* and MindTap for McGuigan: *Managerial Economics: Applications, Strategies and Tactics 14e* from Cengage.

MindTap is available for purchase on its own, or through **Cengage Unlimited**, a subscription that gives you access to all your Cengage access codes and online textbooks for \$119.99 per term, \$179.99 per year or \$239.99 for two years. No matter how many Cengage products you use, they are included in Cengage Unlimited at no additional cost. Go to https://www.cengage.com/unlimited/ for access to purchasing Cengage Unlimited.

You also get a textbook rental with your activation through Cengage Unlimited for \$7.99 + free shipping and the option to purchase a loose-leaf version of your text, which you can keep. Cengage Unlimited is available at TTU Barnes and Noble, Varsity, or using the Direct Purchasing option from Cengage when you access your MindTap Course through Blackboard.

Supplemental Information:

We will also be using various videos and articles throughout the semester. They are available both in this syllabus and on BlackBoard.

Additional Materials and Requirements:

A laptop or a desktop with both a camera and a microphone for online class sessions and test proctoring.

Familiarity and use of Proctorio for exam proctoring.

A mask that must be worn during class at all times.

Health Screenings. Daily health screening assessments are required for all Rawls College of Business students, staff, and faculty. Although only the first method is mentioned in the Phase II document, any of the following assessments may be used:

CDC Coronavirus Self-Checker

John Hopkins Coronavirus (COVID-19) Self-Checker

CDC has partnered with Apple to provide a screening application for iPhones

If you are sick, do not come to class. If you suspect you are sick, do not come to class. If you have been exposed to a virus, or think you have been exposed, do not come to class. If you are in doubt as to whether you should come to class, it's likely better to be safe and just not come to class. I will do my very best to accommodate you all during this time.

Prerequisites:

ECO 2305, with a grade of C- or higher

Instruction Method:

Lecture and discussion. This is a hybrid course designed to comply with university social distancing requirements. 1/3 of the class will attend in-person each class meeting. The remaining 2/3 will watch the lecture live online. I will contact you regarding the dates you can physically attend class.

I will do my best to put up the slides for each class at least 24 hours in advance of each session.

We will start with some introductory material that *should* act as a refresher. If after this first week, you feel lost or behind, please email me or set up an appointment and I can provide further information that should put you at ease for the remainder of the class. Note that while there are official office hours, I am quite flexible and can meet at any reasonable time.

Expected Learning Outcomes:

After completing this course, students will be able to:

- Explain the relationship including differences between opportunity costs and accounting costs and the connections between economic profit and accounting profit;
- Explain how managers can use the tools of supply and demand and apply those tools in common business contexts;
- Apply economic analysis to pricing strategy issues and understand the broader socioeconomic context of pricing decisions;
- Explain the reasons for the emergence of the firm, the factors that limit the size of the firm, and how the principal-agent problem affects firm performance; and
- Understand and explain the different rationales for, and contexts in which political authorities may intervene in markets and their intended and unintended impacts on business decisions

GRADING:

Assignments:

Pre-Course Assessment (up to 10% extra credit on first exam)

Short Essays (25%; 5 worth 5% each)

Critical Thinking Assessment (Can replace a short essay grade)

Homework (20%; 10 best assignments worth 2% each)

Exams (45%; 3 highest scores worth 15% each)

Post-Course Assessment (10%)

Pre-Course Assessment:

Although it is extra credit, the department-wide Pre-Course Assessment is mandatory. Failure to take it within the allotted time period will result in 10 points being taken *off* of your first exam. You can receive up to 10 extra points on your first exam, however, based on your grade on this pre-course assessment test. (For example, if you get everything correct, you get 10 extra points; if you get half of it correct, you get 5 extra points).

The Pre-Course Assessment will be available to take online (via Blackboard) from August 27th at 8:00 AM through August 28th at 5:00 PM.

Short Essays:

In lieu of in-person quizzes, I will assign 5 short essays based on relevant course readings, classroom discussions, and/or videos. They should be at least 1.5 pages, but please keep them to no more than 3 pages (double-spaced). The purpose is to get you to apply the concepts we learn in class to real-world applications. Write as though you are talking to me. They will be due on Sundays at 11:59 PM and can be turned in through BlackBoard.

At the end of the first week, you will have an introductory assignment instead of a short essay. The introductory assignment will ask some basic questions about you and your comfortability with economics. This will be used to gauge the classes' expertise with economics as to better inform me of where we need to start and what information I should emphasize. It is not graded for "correctness."

Critical Thinking Assessment:

This is a department-wide critical thinking assignment that will utilize some of the ideas taught in this class. It will be available on September 18th from 8:00 AM to 5:00 PM. You will read a short case and then be asked to answer a question analyzing some component or topic addressed in the case. You will be asked to write a short response demonstrating your ability to critically think, problem solve and analyze a business scenario using economic principles we will already have covered in class.

I will grade this assessment. If the score on this assessment is higher than your lowest score on a short essay, it will replace that score.

Homework:

There will be a homework assignment for 13 out of the 19 of the assigned textbook chapters. These are administered through MindTap and can be accessed via Blackboard. For each question area on a homework assignment, you are allowed up to three attempts. I will take the highest score to be counted towards your grade. Furthermore, I will only count your 10 best scores in your final grade.

Homework will generally be accessible a week before the "due date". While the *official* due date is the weekend before your post-course assessment (November 15th), in the course schedule I have made suggestions for weeks that you should finish it by. I think they are good practice for your exams, so completing them as we finish the chapter will help you to 1) get practice and see if you know the material, and 2) keep things from piling up at the end. You may take it any time before the due date. You do not have to complete the homework straight through. Finishing a portion of it, taking a break, and coming back to it later is fine. But you must finish the entire assignment by 11:59 pm on Sunday, November 15th.

Exams:

We will have four exams throughout the semester. Three will be during the semester, and one cumulative final that will take place during finals week. I will only count your three best exams. (So, if you do well enough throughout the semester... congrats! You don't have to take the final exam).

Each exam is worth 15% of your final grade. While the exams will mostly cover questions from the two textbooks, all supplemental readings, videos, and class discussions during that period are fair game. I will provide a study guide *at least* one week before each exam.

The tentative exam dates are as followed:

Exam 1: September 18th (covers Mankiw Chapters 1-6)

Exam 2: October 16th (covers Mankiw Chapters 7, 9-11, 13-14)

Exam 3: November 13th (covers Mankiw Ch. 15, 17; McGuigan Ch. 10-12, 14)

Final: Saturday, December 5th (cumulative)

Post-Course Assessment:

You will be required to complete a department post-course assessment that will be available (via Blackboard) from November 18 at 8:00 am until November 19 at 5:00 pm. This assessment is cumulative over the semester's course material, is a 40-question multiple choice test drawn from a department test bank (meaning not everyone will get the same questions) and will count 10%

towards your course grade. This is a department required assessment, so I have no control over the questions asked (nor do I know what they are).

Participation:

Participation will not be directly graded. However, some lectures will include material not in the assigned readings. Students are responsible for all information in readings and lectures. For these reasons, I strongly recommend that students attend every class (either physically or online). You will find it much easier to do well in the class if you attend as many as you can.

Extra Credit: Normally, there would be extra credit opportunities to attend public lectures that are offered throughout the semester. However, things are all but normal this semester. If those public lectures are still held, then those talks (which I will announce throughout the semester) will count toward extra credit on your next exam. But there is a chance those talks do not happen. I do not find it fair that you should have to go in person if you do not feel comfortable. Furthermore, I don't find it fair that you will not receive extra credit towards this class if they do not happen. In the case of the public lectures being cancelled (or in the case that you do not feel safe attending such an event), I will provide a few extra credit writing opportunities throughout the semester that can be used to boost a grade for an exam. Each extra credit assignment can be used to replace your lowest homework grade with a 100%.

Grading Scale:

A: 100-90% B: 89.9-80% C: 79.9-70% D: 69.9-60%

F: 59.9% or lower

I reserve the right to round-up. The probability of me rounding your grade up will depend heavily on class participation and if you have emailed or met with me throughout the semester. (I don't know you are struggling in class unless you come talk to me, after all!)

Note that choosing to attend class solely online will not be counted against you in your final grade *or* in my decision to round up your grade. I will <u>not</u> punish those who do not feel safe enough to attend class in-person or attend my office hours. If you chose to attend class fully online, all I ask is that you still participate!

Late Assignment Policies:

I do not accept late assignments but can make exceptions under extraordinary circumstances. Please bring this up to me as soon as you are made aware of needing such an exception.

Proctorio:

All assessments will be conducted remotely and online. You are required to install the Proctorio extension, using the Google Chrome browser. For more information on Proctorio and system requirements, please go to: https://www.depts.ttu.edu/elearning/blackboard/proctorio/proctorio-student-faq.php. You can also get started setting up Proctorio at https://www.depts.ttu.edu/elearning/forms/proctorio/Blackboard_Student_Guide.php?elu=nkante li&elk=5495242380723612. Additionally, system requirements for Proctorio are found at https://proctorio.com/support. Again, you will need strong internet connectivity, and a laptop or

desktop with a working camera and mic in order to take these assessments.

Attendance in a Hybrid Class Setting:

Each student will be assigned a "group" (Group 1, 2, or 3). These will be your groups throughout the entire semester. What these groups mean for the purposes of class attendance is the day of the week that are you are allowed to attend class. I will rotate this throughout the semester so that everyone is not always assigned to the same day of the week. The other two days, you will join the class through Blackboard Collaborate Ultra. When you click on the folder called "BlackBoard Collaborate" in BlackBoard, you will see the list of all of our class meetings. (If you do not see any or all of the sessions, be sure to change the "End Date" to some date after the semester ends in order to access all of the meetings).

Given the uncertainty during this time, I want to provide as many resources for you as possible to help you succeed. I am sure that not everyone will be able to attend (either in-person or online) *each* class period. In order to ensure that you do not miss anything substantial that we go over in class, I will have each class available to view online. This will be helpful to those who cannot attend every class, or those who want to re-watch the lecture in preparation for homeworks, short essays, exams, or the post-course assessment. Follow these steps in order to access these lectures:

- 1. Go to http://undergradmedia.ba.ttu.edu.
- 2. Enter your eRaider credentials.
- 3. On the left-hand side, select Current Classes (2020 FALL).
- 4. Select. **BECO** 3310
- 5. Select the Section 001 Folder.
- 6. This will bring you to the recorded presentations, separated by the recorded dates.

Learning During COVID-19:

Life is anything but normal right now. You most likely know people who have lost their jobs, have tested positive for COVID-19, have been hospitalized, or perhaps have even died. You all have increased (or possibly decreased) work responsibilities and increased family care responsibilities—you might be caring for extra people (young and/or old!) right now, and you are likely facing uncertain job prospects (or have been laid off!).

I'm fully committed to making sure that you learn everything you were hoping to learn from this class! I will make whatever accommodations I can to help you finish your exercises, do well on your assignments, and learn and understand the class material.

If you tell me you're having trouble, I will not judge you or think less of you. I hope you'll extend me the same grace.

You *never* owe me personal information about your health (mental or physical). You are *always* welcome to talk to me about things that you're going through, though. If I can't help you, I usually know somebody who can. This can be anything inside and outside the classroom.

If you need extra help, or if you need more time with something, or if you feel like you're behind or not understanding everything, do not suffer in silence! Talk to me! I will work with you. I promise. Please sign up for a time to meet with me during student hours (or anytime really).

I want you to learn lots of things from this class, but I primarily want you to stay healthy, balanced, and grounded during this crisis. If there is anything I can do to make this a more pleasant experience, let me know!

CLASS POLICIES:

Course Communication:

Course announcements will be made in class and posted to Blackboard. The course syllabus will also be posted to Blackboard. Students may always email me with any questions.

Facial Covering Statement:

Texas Tech University System has implemented a mandatory Facial Covering Policy to ensure a safe and healthy classroom experience. Current research on the COVID-19 virus suggests that there is a significant reduction in the potential for transmission of the virus from person to person by wearing a mask/facial covering that covers the nose and mouth areas. Because of the potential for transmission of the virus, and to be consistent with the University's requirement, students in this class are to wear a mask/facial covering before, during, and after class. Observing safe distancing practices within the classroom by spacing out and wearing a mask/facial covering will greatly improve our odds of having a safe and healthy in-person class experience. Any student choosing not to wear a mask/facial covering during class will be directed to leave the class and will be responsible to make up any missed class content or work.

Illness-Based Absence:

If at any time during this semester you feel ill, in the interest of your own health and safety as well as the health and safety of your instructors and classmates, you are encouraged not to attend face-to-face class meetings or events. Please review the steps outlined below that you should follow to ensure your absence for illness will be excused. These steps also apply to not participating in synchronous online class meetings if you feel too ill to do so and missing specified assignment due dates in asynchronous online classes because of illness.

If you are ill and think the symptoms might be COVID-19-related:

- Call Student Health Services at 806.743.2848 or your health care provider. After hours and on weekends contact TTU COVID-19 Helpline.
- Self-report as soon as possible using the reporting/screening platform. The Dean of Students COVID-19 website has specific directions about how to upload documentation from a medical provider and what will happen if your illness renders you unable to participate in classes for more than one week.
- If your illness is determined to be COVID-19-related, all remaining documentation and communication will be handled through the Office of the Dean of Students, including notification of your instructors of the period of time you may be absent from and may return to classes.
- If your illness is determined not to be COVID-19-related, please follow steps 2.a-d below.
 - o If your illness renders you unable to attend face-to-face classes, participate in synchronous online classes, or miss specified assignment due dates in asynchronous online classes, you are encouraged to visit with either Student Health Services at 806.743.2848 or your health care provider. Note that Student Health Services and your own and other health care providers may arrange virtual visits.
 - O During the health provider visit, request a "return to school" note and e-mail the instructor a picture of that note. **Please note again that I am not requiring**

attendance, so this is only necessary in order to make up a test or to be permitted to turn in a short essay late.

o Following the steps outlined above helps to keep your instructors informed about your absences and ensures your absence or missing an assignment due date because of illness will be marked excused. You will still be responsible to complete within a week of returning to class any assignments, quizzes, or exams you miss because of illness.

Potential of Class Moving Online:

If Texas Tech University campus operations are required to change because of health concerns related to the COVID-19 pandemic, it is possible that this course will move to a fully online delivery format. Should that be necessary, students will be advised of technical and/or equipment requirements, including remote proctoring software.

Academic Integrity:

It is the aim of Texas Tech University to foster a spirit of complete honesty and a high standard of integrity. Academic dishonesty will not be tolerated and will be treated according to the rules outlined in the Student Handbook. Please refer to Texas Tech University Operating Procedure 34.12 for more information.

Disability Accommodation:

Any student who, because of a disability, may require special arrangements in order to meet the course requirements should contact the instructor as soon as possible to make any necessary arrangements. Students should present appropriate verification from Student Disability Services during the instructor's office hours. *Please note: instructors are not allowed to provide classroom accommodations to a student until appropriate verification from Student Disability Services has been provided. For additional information, please contact Student Disability Services in 335 West Hall or by phone 806-742- 2405 or by email sds@ttu.edu. Please refer to Texas Tech University Operating Procedure 34.22 for more information.

Religious Holy Day Observance:

A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence. A student who is absent from class for the observance of a religious holy day shall be allowed to take an examination or complete an assignment schedules for that day within a reasonable time after the absence. Please refer to TTU Operating Procedure 34.19 for more information.

NOTE: All readings and videos and required (and therefore fair game for exams) unless noted with "(O)" (for optional) after the assignment. These optional assignments are used as supplemental resources if there's a particular topic that you are uneasy with. If after reading the required material, the optional resources, *and* attending the class lecture, you are still uncomfortable with the topic, please schedule a meeting with me!

For a few class sessions, there will be assignments called "Recorded Videos on Blackboard." These are some videos that I have made to help you go through some of the material that requires either graphs or math. While they are optional, I extremely recommend them, especially if you are struggling with a particular. Given the way classes must be set-up this semester, I am not as easily able to do things "on the board" in a manner where everyone can easily see and access them. These videos are a substitute for me writing and drawing on the board. Links to these videos will be made available on BlackBoard for you to watch.

Week 1 (August 24-28):

M: Introduction to the class, going over syllabus, answering any preliminary questions

W: Basic Principles of Economics

Readings: Mankiw Chapter 1; Incentives Matter; Scarcity (O); Opportunity Costs

F: Thinking Like an Economist

Readings: Mankiw Chapter 2; <u>I Pencil</u>; <u>Broken Window Fallacy</u>; <u>Margins</u> (O)

Assignments Due: Short Essay #1 (August 30th), Pre-Course Assessment (August 27-28)

Week 2 (August 31-Sept. 4):

M: Gains from Trade

Readings: Mankiw Chapter 3; Big Ideas of Trade; Comparative Advantage

W: Supply & Demand

Readings: Mankiw Chapter 4 (4.1-4.2); <u>The Demand Curve</u>; <u>Demand</u> (O); <u>Shifts in</u>

Demand Curve; Demand Slopes Down; 2 Recorded Videos on BlackBoard (O)

F: Supply & Demand

Readings: Mankiw Chapter 4 (4.3-End); Prices Matter; The Supply Curve; Supply; Shifts

in Supply Curve; Equilibrium; 1 Recorded Video on BlackBoard (O)

Assignments Due: Homework #1-3 (Mankiw Chapter 1, 2, & 3)

Week 3 (Sept. 7-11):

M: LABOR DAY (NO CLASS, woo!)

W: Elasticities

Readings: Mankiw Chapter 5 (5.1); <u>Demand Elasticities</u>; <u>Prices</u>; <u>Calculating Demand</u>

Elasticities; 2 Recorded Videos on BlackBoard (O)

F: Elasticities

Readings: Mankiw Chapter 5 (5.2-End); Supply Elasticities; More on Elasticities; 1

Recorded Video on Blackboard (O)

Assignments Due: Homework #4 (Mankiw Chapter 4)

M: Government's Role in Supply and Demand

Readings: Mankiw Chapter 6; <u>Price Controls</u>; <u>Commodity Taxes</u> (O); <u>Who Pays the Tax?</u> (O); <u>Deadweight Loss</u>; <u>Rent Control</u>; <u>2 Recorded Videos on BlackBoard</u> (O)

W: Review for Exam 1

F: EXAM 1 (Mankiw Ch. 1-6)

Assignments Due: Homework #5-6 (Mankiw Chapter 5 & 6), Critical Thinking Assessment (Sept. 18th)

Week 5 (Sept. 21-25):

M: Consumers & Producers

Readings: Mankiw Chapter 7 (7.1-7.2); <u>The Invisible Hand</u> (O); <u>Consumer Surplus</u>; <u>More on Consumer Surplus</u> (O); <u>Deeper Dive at Demand</u>; <u>Producer Surplus</u>; 1 Recorded Video on BlackBoard (O)

W: Market Efficiency

Readings: Mankiw Chapter 7 (7.3-End); Beyoncé and Demand; Should We Buy Local?

F: Trade Among Nations

Readings: Mankiw Chapter 9; <u>Tariffs & Protectionism</u>; <u>Arguments Against Trade</u>; Winners & Losers of Globalization; <u>Tariffs & Jobs</u> (O)

Assignments Due: Short Essay #2 (Sept. 27th)

Week 6 (Sept 28- Oct. 2):

M: Externalities

Readings: Mankiw Chapter 10; <u>Coase Theorem and Negative Externalities</u> (O); <u>Pollution Trading</u>; <u>Hidden Costs of Pollution</u>; 1 Recorded Video on BlackBoard (O)

W: Public Goods

Readings: Mankiw Chapter 11; <u>Public Goods</u> (O); <u>Public Goods & Asteroids</u>; <u>Common Pool Resources</u> (O); <u>Tragedy of the Commons</u>

F: OUT OF TOWN (Podcast on Climate Change)

Assignments Due: Homework #7 (Mankiw Chapter 7)

Week 7 (Oct. 5-9):

M: Production

Readings: Mankiw Chapter 13 (13.1-13.2); <u>Economic Vs. Accounting Profit</u>; <u>Production Functions</u>; <u>Diminishing Marginal Returns</u> (O); <u>Why Do Firms Exist?</u>; 2 Recorded Videos on BlackBoard (O)

W: Production

Readings: Mankiw Chapter 13 (13.3-End); <u>Revenue, Profits, & Price</u> (O; watch from beginning to 6 minute mark); <u>Short-Run Costs</u>

F: Competitive Markets

Readings: Mankiw Chapter 14 (14.1-14.2); <u>Competitive Firms</u>; <u>Profit Maximizing in Competitive Markets</u>; <u>Max Profit & Average Cost Curves</u> (O); 3 Recorded Videos on BlackBoard (O)

Assignments Due: Short Essay #3 (Oct 11th), Homework #8 (Mankiw Chapter 13)

M: Competitive Markets

Readings: Mankiw Chapter 14 (14.3-End); <u>Long Run Supply Curves</u>; <u>Short Run Supply Curves</u>; <u>Revenue</u>, <u>Profits</u>, & <u>Price</u> (O; watch from 6 minute mark to end)

W: Review for Exam 2

F: EXAM 2 (Mankiw Ch. 7, 9-11, 13-14)

Assignments Due: Homework #9 (Mankiw Chapter 14)

Week 9 (Oct. 19-23):

M: Monopoly

Readings: Mankiw Chapter 15 **W:** Pure & Monopolistic Competition

Readings: McGuigan Chapter 10 (10.1-10.4); <u>Prices in Perfect Competition</u>; <u>Perfect Competition</u>;

F: Pure & Monopolistic Competition (NOTE: This class lecture will be pre-recorded and put on BlackBoard for you to watch. There is a bonus-point opportunity to do here as well.) Readings: McGuigan Chapter 10 (10.5-End); Monopoly (O); Is Amazon a Monopoly?; What about Facebook & Google?

Assignments Due: Homework #10 (McGuigan Chapter 10)

Week 10 (Oct. 26-30):

M: Monopoly & Dominant Firms

Readings: McGuigan Chapter 11 (11.1-11.3); <u>Profits in Monopolies</u>; <u>More on Profits in Monopoly</u> (O)

W: Monopoly & Dominant Firms

Readings: McGuigan Chapter 11 (11.4-End); <u>Natural and Artificial Monopolies</u>; <u>Monopoly Graph</u> (O)

F: Intro to Oligopoly

Readings: Mankiw Chapter 17

Assignments Due: Homework #11 (McGuigan Chapter 11)

Week 11 (Nov. 2-6):

M: Oligopoly

Readings: McGuigan Chapter 12 (12.1-12.3); <u>Oligopolies</u> (O); <u>Oligopolies & Cartels</u>; <u>Is</u> OPEC a Cartel?; 1 Recorded Video on BlackBoard (O)

W: Oligopoly

Readings: McGuigan Chapter 12 (12.4-End); <u>Price Leadership</u> (O); 1 Recorded Video on BlackBoard (O)

F: Pricing Strategies

Readings: McGuigan Chapter 14 (14.1-14.2); <u>Price Discrimination</u>; <u>Pricing Strategies</u> Intro

Assignments Due: Short Essay #4 (Nov. 8th), Homework #12 (McGuigan Chapter 12)

Week 12 (Nov. 9-13):

M: Pricing Strategies

Readings: McGuigan Chapter 14 (14.3-End); Pricing in Practice: Airlines; Bundling (O)

W: Review for Exam 3

F: EXAM 3 (Mankiw Ch. 15, 17; McGuigan Ch. 10-12, 14)

Assignments Due: Homework #13 (McGuigan Chapter 14); ALL HOMEWORK OFFICIALLY

DUE

Week 13 (Nov. 16-20):

M: Review for Post-Course Assessment

W: NO CLASS- Take Post-Course Assessment

F: OUT OF TOWN (Podcast on Poverty and Growth)

Assignments Due: Post-Course Assessment (Nov. 18-19)

Week 14 (Nov. 23-27):

M: OUT OF TOWN (Podcast on "Big Business")

W: THANKSGIVING HOLIDAY (NO CLASS, woo!)
F: THANKSGIVING HOLIDAY (NO CLASS, woo!)

Assignments Due: Short Essay #5 (Nov. 29th)

Week 15 (Nov. 30-Dec. 2):

M: Review for Final (Mankiw Chapters)

W: Review for Final (McGuigan Chapters)

Assignments Due:

Final Exam: Saturday, December 5th