

MGT516 Foundations of Quantitative Business Methods

(2 credit hours)

Course Syllabus

Course Description

This class is for the MBA students whose undergraduate studies and/or experience need to be supplemented by an additional course in the quantitative skills necessary to be successful in the Tiffin University MBA program. The course provides an overview of foundational skills in the quantitative areas of Accounting, Economics, Finance, Information Systems, and Operations Management.

Course Learning Outcomes

By the end of this course, you will be able to:

1. Establish an understanding of the various functions that exist within the quantitative business environment.
2. Explore and demonstrate comprehension of both financial and managerial accounting concepts and their impact on business decisions.
3. Investigate the role economics plays in the business world.
4. Understand how operations management influences decision making.
5. Evaluate the use of information systems to improve business processes, decision-making, and knowledge distribution.
6. Distinguish descriptive, correlational, and predictive statistics as applied to a business scenario.

Required Textbook(s) and Resources

Nickels, W., McHugh, J.M., & McHugh, S.M. (2022). *Understanding Business* (13th ed). McGraw-Hill Education.

Be sure to also review the weekly **Explore** sections for additional library or web resources. For access to databases, research help, and writing tips, visit the [Tiffin University Library](#).

Time Commitment

Effective time management is possibly the single most critical element to your academic success. To do well in this online class you should plan your time wisely to maximize your learning through the completion of readings, discussions, and assignments. Because of our accelerated, seven-week term, TU online courses are designed with the expectation that you dedicate a little over **six (6)** hours per credit hour to course activities and preparation **each**

week. For example, for successful completion of a three-credit, seven-week online course you should reserve roughly **twenty (20) hours per week.**

To help plan your time and keep on track toward successful course completion, note the distinctive rhythm of assignment due dates:

1. All times assume Eastern Time (GMT-4).
2. Weeks begin at 12:00 a.m. ET on Monday and end at 11:55 p.m. ET on Sunday.
3. Unless otherwise noted, initial assignments or discussion posts are due by **11:55 p.m. ET on Wednesdays.**
4. Additional assignments or follow-up discussion posts are due by **11:55 p.m. ET on Saturdays, and**
5. Major assignments and reflections are typically due by **11:55 p.m. ET on Sundays.**

Learning Activities

In this course you will be assessed through various weekly assignments. These assessments are:

- Discussion Forums
- Written Assignments (Case Studies, Article Summaries, Video Cases, Critical Thinking Questions, Reflection)
- McGraw-Hill Connect Assignments
- Quizzes

Grading

The chart below identifies the individual contributions from each type of activity, per week.

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Total
Discussions 30	Discussions 30	Discussions 30	Discussions 30	Discussions 30	Discussions 50		180
Assignments 70	Assignments 55 50	Assignments 70	Assignments 70	Assignments 55	Assignments 30 70	Assignments 70 50	610
Quiz 30	Quiz 30	Quiz 30	Quiz 30	Quiz 30	Quiz 30	Quiz 30	210
130	165	130	130	115	180	150	1000

Grading Scale

A: 90-100% | B: 80-89% | C: 70-79% | F: <69%

Course Schedule and Weekly Checklist

Week 1 - Knowing Supply and Demand

- WED: Activity 1.1: Meet Your Classmates! - Initial Post
- WED: Activity 1.2: Supply and Demand - Initial Post
- SAT: Activity 1.2: Supply and Demand - Secondary Posts
- SUN: Activity 1.3: Using Economic Data
- SUN: Activity 1.4: Quiz

Week 2 - Global Business and How We Can Reach Around the World

- WED: Activity 2.1: Travel and International Business - Initial Post
- SAT: Activity 2.1: Travel and International Business - Secondary Posts
- SUN: Activity 2.2: McGraw-Hill Connect: Electra Bicycles Part I
- SUN: Activity 2.3: Electra Bicycles Part II
- SUN: Activity 2.4: Quiz

Week 3 - Marketing, Statistics, and Consumer Information

- WED: Activity 3.1: Big Data - Initial Post
- SAT: Activity 3.1: Big Data - Secondary Posts
- SUN: Activity 3.2: Business to Business Marketing
- SUN: Activity 3.3: Quiz

Week 4 - IT and How It Has Changed, Changes, and Will Change Business

- WED: Activity 4.1: IT Risks - Initial Post
- SAT: Activity 4.1: IT Risks - Secondary Posts
- SUN: Activity 4.2: VR, AR and Blockchain
- SUN: Activity 4.3: Quiz

Week 5 - Collecting, Classifying and Formatting your Business Transactions

- ❑ WED: Activity 5.1: Public and Private Accounting - Initial Post
- ❑ SAT: Activity 5.1: Public and Private Accounting - Secondary Posts
- ❑ SUN: Activity 5.2: Accounting and Financial Information
- ❑ SUN: Activity 5.3: Quiz

Week 6 - Using Finance to Forecast, Project, and Measure Business

- ❑ WED: Activity 6.1: McGraw-Hill Connect: Tom and Eddie's Part I
- ❑ WED: Activity 6.2: Tom and Eddie's Part II - Initial Post
- ❑ SAT: Activity 6.2: Tom and Eddie's Part II - Secondary Posts
- ❑ SUN: Activity 6.3: Financing Business
- ❑ SUN: Activity 6.4: Quiz

Week 7 - Examining How Financial Markets and Institutions Help Steer our Economy

- ❑ THU: Activity 7.1: McGraw-Hill Connect: Financial Crisis Part I
- ❑ THU: Activity 7.2: Financial Crisis Part II
- ❑ THU: Activity 7.3: Quiz

Tips for Success

Online learning requires self-discipline and self-direction. As seekers of the truth, we should be willing to challenge one another's academic work in a spirit of respectful comradery. Your course is a place for you to grow as you benefit from the expertise, experience, and diverse perspectives of your instructor and peers. Constructive feedback will challenge you to stretch your own thinking, thereby expanding your knowledge and understanding.

To get the most out of your learning experience, you should actively engage (participate) in **ALL** course activities. Course elements are arranged chronologically. To complete a week, simply work your way "down the page" through all of the course materials and activities.

For More Information:

Be sure to review the [Support, Policies, and Procedures](#) addendum.