

Note:

Course content may be changed, term to term, without notice. The information below is provided as a guide for course selection and is not binding in any form, and should not be used to purchase course materials.

COURSE SYLLABUS

BUSI/CSIS 405

BUSINESS AND ECONOMIC FORECASTING

COURSE DESCRIPTION

This course covers methods of collecting data, discovering data patterns, and selecting appropriate forecasting techniques. Time series, regression forecasting techniques, and classification models are introduced. (Crosslisted with BUSI 405)

RATIONALE

Understanding and being able to forecast relevant business and economic variables are vital for decision makers in companies or governments. This course provides the most useful quantitative techniques in business and economic forecasting. Excel-Based ForecastX computer software is used.

I. PREREQUISITE

For information regarding prerequisites for this course, please refer to the Academic Course Catalog.

II. REQUIRED RESOURCE PURCHASE

Click on the following link to view the required resource(s) for the term in which you are registered: <http://bookstore.mbsdirect.net/liberty.htm>

III. ADDITIONAL MATERIALS FOR LEARNING

- A. Computer with basic audio/video output equipment
- B. Internet access (broadband recommended)
- C. Blackboard [recommended browsers](#)
- D. Microsoft Office

IV. MEASURABLE LEARNING OUTCOMES

Upon successful completion of this course, the student will be able to:

- A. Integrate biblical principles within the field of economic and business forecasting. (PLO 1 introduced)
- B. Collect relevant data, discover data patterns, and select the best forecasting technique. (PLO 2 emphasized)
- C. Apply time series and regression forecasting techniques. (PLO 2 emphasized)

- D. Apply classification techniques. (PLO 2 emphasized)
- E. Use Excel-based ForecastX in data analysis, forecasting, and decision making. (PLO 3 emphasized)

V. COURSE REQUIREMENTS AND ASSIGNMENTS

- A. Textbook readings and presentations
- B. Course Requirements Checklist

After reading the Course Syllabus and [Student Expectations](#), the student will complete the related checklist found in Module/Week 1.

- C. Discussion Board Forums (8)

After reviewing the assigned textbook readings, and presentations, the student will post at least 2 points that he/she has learned from them and at least 2 questions that he/she may have. The student should respond to at least 2 of his/her classmates' questions. The initial thread should be 150 words in length and is due by 11:59 p.m. (ET) on Thursday of the assigned module/week. Both replies should each be 50 words in length and are due by 11:59 p.m. (ET) on Monday of the assigned module/week.

- D. Weekly Quizzes (8)

There will be 10 questions for each quiz. Each quiz must be completed by 11:59 p.m. (ET) on Monday of the assigned module/week.

- E. Weekly Exercises (8)

For each assigned module/week, the student will complete specific questions found in the Exercises section at the end of the assigned chapter of the Keating and Wilson text. The student will submit his/her answers in Excel via the Weekly Exercises assignment link by 11:59 p.m. (ET) on Mondayday of Modules/Weeks 1–8.

- F. Exams (4)

The student will complete 4 exams based on the textbook readings. Each exam will consist of 30-multiple-choice questions and have a one-hour time limit. Each exam must be completed by 11:59 p.m. (ET) on Mondayday of the assigned module/week.

VI. COURSE GRADING AND POLICIES

- A. Points

Course Requirement Checklist	10
Discussion Board Forums (8 at 15 pts ea)	120
Weekly Quizzes (8 at 10 pts)	80
Weekly Exercises (8 at 50 pts)	400
Exams (4 at 100 each)	400
Total	1010

B. Scale

A = 900–1010 B = 800–899 C = 700–799 D = 600–699 F = 0–599

C. Disability Assistance

Students with a documented disability may contact Liberty University Online's Office of Disability Academic Support (ODAS) at LUOODAS@liberty.edu to make arrangements for academic accommodations. Further information can be found at www.liberty.edu/disabilitysupport.

VII. BIBLIOGRAPHY

Economagic.com: Economic time series page. (n.d.). Retrieved from
<http://www.economagic.com>

Foresight: The International Journal of Applied Forecasting. (n.d.). Retrieved from
<http://www.forecasters.org/>

The Journal of Business Forecasting (n.d.). Retrieved from
<http://www.liberty.edu:2048/login?url=http://proquest.umi.com/pqdweb?RQT=318&TS=1332163266&clientId=20655&VType=PQD&VName=PQD&VInst=PRO D&pmid=14886&PageNum=1>

COURSE SCHEDULE

BUSI 405

Textbook: Wilson & Keating, *Business Forecasting with ForecastX* (2009).

MODULE/ WEEK	READING & STUDY	ASSIGNMENTS	POINTS
1	Wilson & Keating: ch. 1 1 presentation	Course Requirements Checklist Weekly Quiz 1 DB Forum 1 Weekly Exercise 1	10 10 15 50
2	Wilson & Keating: ch. 2 1 presentation	DB Forum 2 Weekly Quiz 2 Weekly Exercise 2 Exam 1	15 10 50 100
3	Wilson & Keating: ch. 3 1 presentation	DB Forum 3 Weekly Quiz 3 Weekly Exercise 3 Exam 2	15 10 50 100
4	Wilson & Keating: ch. 4 1 presentation	DB Forum 4 Weekly Quiz 4 Weekly Exercise 4	15 10 50
5	Wilson & Keating: ch. 5 1 presentation	DB Forum 5 Weekly Quiz 5 Weekly Exercise 5 Exam 3	15 10 50 100
6	Wilson & Keating: ch. 6 1 presentation	DB Forum 6 Weekly Quiz 6 Weekly Exercise 6	15 10 50
7	Wilson & Keating: ch. 8 1 presentation	DB Forum 7 Weekly Quiz 7 Weekly Exercise 7	15 10 50
8	Wilson & Keating: chs. 9 and 12	DB Forum 8 Weekly Quiz 8 Weekly Exercise 8 Exam 4	15 10 50 100
TOTAL			1010

DB = Discussion Board

NOTE: Each course week (except Module/Week 1) begins on **Tuesday** morning at 12:00 a.m. (ET) and ends on **Monday** night at 11:59 p.m. (ET). The final week ends at 11:59 p.m. (ET) on Friday.