
BA 256 - WA Quantitative Analysis for Business I

Self-Paced Course – Web Based Format Option

Session begins on the 1st day of enrollment month and ends on the last day of the 6th month.

Instructor Information

Instructor Name: Chris L. Miller

Contact Information: For questions, comments, or concerns please contact the Self-Paced Degree Program office:

Telephone: 563-425-5200 or 1-800-553-4150

E-mail: selfpaced@uiu.edu

Address: Upper Iowa University, PO Box 1857,
Fayette, IA 52142

Course Description

Semester Credits: 3 semester credits

Catalog Course Description:

This course is designed for business students who have a good foundation in mathematics and algebra. Students will learn to apply descriptive statistics, probability and random variables, inferential statistics, sampling of business data, and time series within the business environment. Heavy emphasis will be on business applications utilizing Microsoft Excel and other business statistical packages.

Prerequisite: CS 102, recommended MATH 105 or permission of instructor.

Credit Hours: As a requirement of HLC Accreditation, all UIU courses, regardless of meeting schedule or instructional mode, follow the Federal Credit Hour Definition. As such, each credit hour earned at UIU is equivalent to a minimum of 45 hours of student engagement.

For more information on how specific instructional modes meet this requirement, please see *UIU's Policy Guidelines for Instructional Time Expectations*: [UIU Policies](#).

Course Materials

It is the student's responsibility to make sure she/he has access to all required course materials by the start of the session.

Required Textbooks

Quantitative Methods for Business, 13E, Anderson & Sweeney,
ISBN: 9781285866314

APA Publication Manual of the American Psychological Association: 7th Edition:
American Psychological Association (2020)
ISBN-13: 978-1433832178
ISBN-10: 1433832178

Recommended Resources

UIU Writing Center

- Email: writingcenter@uiu.edu
- Phone: (563) 425-5272

UIU Academic Success

- Email: academicsuccess@uiu.edu
- Phone: (563) 425-5264

Ordering Textbooks

Purchase your textbook through the online university bookstore, [MBS Direct](#), or by phone at (800) 325-3252.

Course Objectives

1. Identify and apply various modeling concepts and processes through the use of spreadsheets and other modeling techniques to analyze numerical data, interpret results, compare options, propose solutions and make effective decisions in situations requiring quantitative thinking skills.
2. Utilize probabilities and decision making to determine outcomes and develop plans in business applications under uncertainty.

Program Student Learning Outcomes

1. Access, utilize, evaluate and synthesize quantitative and qualitative information in making business decisions.
2. Understand how internal and external environments impact functional areas of business.
3. Communicate effectively in various forms, such as written, oral, visual or electronic formats.

Course Requirements and Grading Criteria

Course Requirements

1. Review the **entire** course syllabus before beginning the course. Be sure you understand the course procedures and objectives. Procedures do change, so please review **ALL** forms even if this is not your first course. Your course status may be affected if policies are not followed.
2. Students who develop a regular time schedule and set goals for unit completion are most successful in completing courses within a specific timeframe.

3. We advise submitting **one unit at a time** rather than all of the units at once. The feedback you receive from the instructor is **critical** to your success on subsequent lessons. Instructors will only grade complete units. These comments allow you to improve and modify the next units if necessary. *Please note: No more than three assignments/units may be submitted in a one-week period.*
4. Assignment covers must be **clearly filled out with complete address information**. We use this information to return your assignments. Any missing or inaccurate information will result in a delay of the assignment being returned.
5. If the information in your syllabus is not clear or if units are not returned to you within a reasonable period of time (3 units), please contact the Self-Paced Program office. We would like the opportunity to address concerns, however, we may not know unless we hear from YOU!
6. ALWAYS make a copy of your completed units before submitting them for grading.
7. When needed, examination request forms **must be filled out completely and received a minimum of two units prior to the exam date**. A list of appropriate proctors is listed in the Academic Catalog. Make sure your request form is **clearly** completed and **signed** by the proctor. Any missing information or use of an unapproved proctor will result in a delay of the test being sent. If you have questions on who qualifies as an approved proctor, please contact the Self-Paced Program office. Teachers, employers, relatives, other UIU students, and close friends cannot serve as proctors. Exams will not be sent to residential locations.

Course Requirement Descriptions and Expectations

Complete the first 6 units which are based upon the course textbook plus units 7 & 8 are based upon the attached sample business plan and support pages.

You are expected to complete and return the 8 unit assignments in a correct, timely manner.

Grading Criteria

Activity	Points
Unit Assignments (Unit 1 – Unit 6) 50 points each	300
Business Plan	100
Total	400

Grading Scale

Letter Grade	Percent	Points
A	100-93	400 - 372
A-	92-90	371 - 360
B+	89-88	359 - 352
B	87-82	351 - 328
B-	81-80	327 - 320
C+	79-78	319 - 312
C	77-72	311 - 288
C-	71-72	387 - 284
D+	68-69	283 - 272
D	64-67	271 - 256
D-	60-63	255 - 240
F	59-0	239 - 0

Grades and Feedback

This syllabus contains all assignments and forms necessary for completing your self-paced course. Submit your completed assignments either by mail or email to:

Self-Paced Degree Program, Upper Iowa University, PO Box 1857, Fayette, IA 52142

Toll free: 800-553-4150

Fax: 563-425-5287

E-mail: selfpaced@uiu.edu

They will be graded and returned to you. If you need academic assistance with the course, please feel free to contact the Self-Paced Degree Program office.

For the paper-based option requiring a proctor, a student must bring a photo I.D. to the exam.

The final assessment/exam is administered by a proctor, and the proctor mails your completed exam to UIU. To protect the integrity of the final assessment/exam, you only receive your final grade on the exam; you do not receive any feedback on the answers to the exam questions. The answers to the questions on the exam are not shared with students.

Turnitin

Turnitin is a tool for both teachers and students to ensure academic integrity by checking the originality of submitted papers to avoid issues of plagiarism and academic dishonesty. Students should be aware that Turnitin scans submitted work and compares it to ALL other sources on file.

Incompletes

Students will be allowed to request an extension and receive an 'I' (incomplete grade) at the end of their original six-month enrollment period if:

- A minimum of one assignment has been received for grading per guidelines **AND**
- All course units and exams are not completed and submitted **OR**
- A course withdrawal has not been initiated.

Note: The fee for a self-paced extension is \$99 per course. The request for an extension must be submitted no earlier than one month before the end of the course and no later than a unit before the end of the course.

Incomplete grade details

- When the extension is granted and an incomplete grade is issued, the student will receive a four-month enrollment period to complete the course.
- Students do not have the option to withdraw from a course after the initial six-month enrollment period.
- An 'I' grade posted to the student's official record will be replaced with a final letter grade; however, the incomplete will remain on the official transcript as a notation.
- If the course is not completed by the end of the incomplete period, the instructor will assign a final grade (A-F) based on work completed in relation to the total course requirements.
- If credit is not earned by the end of the extension period, students can reenroll and repeat the entire course for credit.

Note: Students are not reported as enrolled during the incomplete period and are not eligible for student loan deferment.

Course Schedule

Unit 1

Unit 1 Topic	Qualitative Methods for Business
Activity	Self-Study Guide (for practice)
Assignment	Unit Questions, CVP Chart, and Decision Making Process (50 Points)

Unit 2

Unit 2 Topic	Introduction to Probability
Activity	Self-Study
Critical Thinking	Probabilities
Assignment	1) Complete question 1 on page 49

Unit 2 Topic	Introduction to Probability
	2) Complete question 4- A,B,C,D (do not do E) 3) Complete question 14 4) Complete case problem on page 59 (College Softball Recruiting) (50 Points)

Unit 3

Unit 3 Topic	Random and Discrete Variables
Activity	Self-Study
Assignment	Complete the two examples of discrete variables at the end of Unit 3 (50 points)

Unit 4

Unit 4 Topic	Risk Assessment
Activity	Self-study
Assignment	1) Redo the condo problem above assuming there is a 70% chance of a strong demand and a 30% weak demand. Show ALL of the steps of your work, not just the final equation. Additionally, make your recommendation what the managers should decide. (10 points) 2) Go back to the original problem and add one more demand alternative. Now your choices are Strong 50%, Moderate 20%, and Weak 30%. Redo the entire problem to include your recommendation. (10 points) 3) Page 154, Case Problem 2 Lawsuit Defense Strategy (30 points)

Unit 5

Unit 5 Topic	The effect of competition
Activity	Self-Study
Assignment	1) Question 1, Page 186 (15 Points) 2) Question 12, Page 191 (15 Points) 3) Question 13, Page 191 (20 Points)

Unit 6

Unit 6 Topic	Forecasting
Activity	Self-study
Assignment	Questions on page 48
	<ol style="list-style-type: none">1) Think of some industry, the weather, or some other reoccurring events in your life and make a table along with a hand written plot showing the events. (10 Points)2) Pick an example of when quantitative analysis would best be used in business. (10 Points)3) Pick an example of when qualitative analysis would best be used in business. (10 Points)4) Given this data, construct 2 hand written plots. One showing only annual results and the other using quarterly results, too. Then give me a short hand written analysis of what you think sales will look like in each quarter of 2020. Assume no major new events occur that alter the pattern (20 Points)

Unit 7

Unit 7 Topic	Business Plan
Activity	Self-study
Assignment	Business Plan –Rough Draft (50 points)

Unit 8

Unit 8 Topic	Business Plan
Course Paper	Self-study
Assignment	Business Plan -- Final (100 points)

Course Expectations

Professional Writing and Speaking Guidelines

Communications in class and online should follow the Student Conduct and Discipline, Respect for the University Environment, and Code of Student Responsibility in the [Student Handbook](#) (pg. 20 and 21). Respect the opinions of others using appropriate language and communications.

University Policies

Withdrawal (W)

If a student decides to withdraw from a course before the end of an enrollment period, the student's charges, financial aid, tuition assistance, and/or veteran benefits could be affected. All students should consult with the Business Office and Financial Aid Office to understand the financial impact of withdrawing prior to initiating the withdrawal process.

Tuition adjustments are independent from academic and financial aid deadlines. Upon receiving a request for withdrawal, using the number of lessons submitted as compared to the total due, a refund of tuition is made according to the following guideline.

On or before the first day of the enrollment period* 100%

After the first lesson through 10% of the enrollment period 90%

After the first 10% through the first 25% of the enrollment period 50%

After the first 25% of the enrollment period 0%

*Enrollment is measured by the number of assignments to be submitted during a six-month period of time, as determined by the University, during which semester credits are earned toward graduation. The refund/repayments shall be calculated using the percentages noted above as determined using the number of assignments completed and the number of assignments yet to be submitted.

For example, if a student submitted 2 of 17 assignments, they completed 11.76% of the class assignments. The student would be refunded 50% of the tuition cost.

For students from Wisconsin, Maryland, Georgia, Oregon, or Arizona, state laws apply.

Students who withdraw from a course prior to submitting the first assignment, or who are administratively withdrawn for non-submission of assignments, will be charged an administrative fee of \$99.

Course withdrawal may impact financial aid eligibility. A financial aid counselor is available to discuss this decision.

Upper Iowa University is required to use a pro rata schedule to determine the amount of Title IV aid the student has earned at the time of withdrawal. If financial aid funds have been released to the student because of a credit balance on the student's account at Upper Iowa University, the student may be required to repay some or all of the amount released to the student. This policy is subject to federal regulations. Contact the Financial Aid Office for details.

Withdrawing from a course in progress may result in significant student account charges. Consult with the Business Office before withdrawing. For more information on financial aid implications, go to uiu.edu/financialaid.

Administrative Withdrawal (AW)

A grade of AW (administrative withdrawal) is recorded for any course from which a student is administratively withdrawn. At least one complete assignment/unit must be

received and verified by the instructor within the first 60 days of the enrollment period or the student will be administratively withdrawn from the course. Students who are administratively withdrawn for non-submission of assignments, will be charged an administrative fee of \$99. Non-Attendance (NA): Never attended grades are not applicable to the Self-Paced Degree Program.

Academic Accommodations

It is the policy of Upper Iowa University to ensure equal access to educational and co-curricular activities to students with disabilities as mandated by the Americans with Disabilities Act Amendments Act (ADAAA) and Section 504 of the Rehabilitation Act of 1973. A student seeking accommodations should contact the Director of Disability Services (DDS) as early in the session as possible. In order to receive accommodations, students must disclose their disability to the DDS by completing a *Voluntary Disclosure Form*, as well as providing appropriate documentation. The *Voluntary Disclosure Form* is available in the DDS office or online at [Disability Services](#). Students will be given a *Request for Accommodations Contract* during their initial appointment with the DDS. **This appointment will be in person for Fayette campus students and over the phone for center, online, and self-paced students.** It is the student's responsibility to provide the instructors with a copy of the *Request for Accommodations Contract* (for Center or online students, these contracts are emailed out to instructors by the DDS for the student). Additionally, students should work cooperatively with their instructors throughout the session to make sure that appropriate accommodations are being made. You can contact the DDS at (563) 425-5949, disabilityservices@uiu.edu, or stop by the office in the Student Center, Office of Student Life, Room 229.

Academic Misconduct Policy

Cheating, academic dishonesty, and plagiarism constitute a violation of the offender's own integrity, as well as the integrity of the entire University; they will not be tolerated. Violators will receive sanctions based on the level of academic misconduct.

Cheating includes, but is not limited to:

- The use of unauthorized books notes or other sources in the giving or securing of help in an examination or other course assignments.
- The copying of other students' work or allowing others to copy your work. The submission of work that is not your own or allowing others to submit your work as theirs.
- The submission of the same work for two or more classes without the approval of instructors involved.

Academic dishonesty includes, but is not limited to:

- Sharing academic materials knowing they will be used inappropriately.
- Accessing another person's work without permission.
- Providing false or incomplete information on an academic document.
- Changing student records without approval.

- Obtaining and using texts or other materials intended for instructor use only.

Plagiarism includes, but is not limited to:

- The presentation of another's published or unpublished work as one's own.
- Taking words or ideas of another and either copying them or paraphrasing them without proper citation of the source.
- Using charts, graphs, statistics or tables without proper citation.

Levels of Academic Misconduct and Sanctions

The faculty member teaching the course has the primary responsibility for resolving allegations of academic dishonesty, though egregious violations will be resolved by the School administration, the Academic Misconduct Board, or some combination thereof. The final decision on the level of a violation rests with the Academic Misconduct Board. Options for resolving an alleged case of academic dishonesty range from dismissing the allegation with no negative sanction to being expelled from the university ([Academic Misconduct Policy: Table 1](#)). A negative sanction is defined as an action taken by the faculty member that affects the student's grade for the assignment or his or her cumulative grade for the course. Anytime academic misconduct is detected, the procedures outlined in [Academic Misconduct Policy: Table 1](#) should be followed. The incident will be maintained in a searchable database maintained by the Office of Academic Affairs.

Copyright Statement

In recognition of the Copyright Law of the United States (Title 17, United States Code), Upper Iowa University reminds both faculty members and learners that a willful infringement of the law may result in disciplinary action. The University library has available materials discussing the "fair use" concept, along with criteria and guidelines for reproduction and use of copyrighted materials.

This syllabus is subject to change.

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