

# **ABIZ 3540: Financial Risk Management Syllabus**

**Winter 2022**

## **Instructor**

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Office Hours by appointment

## **Course Description**

The course is a study of concepts and tools used to measure and mitigate financial risk for firms. The course introduces the study of mathematics for finance and particularly as it relates to the management of financial risk. The course also enhances the students' skills in Microsoft Excel and Python programming with applications for financial risk management. A term paper is to be written and submitted on a risk management topic of the student's choosing.

## **Learning Outcomes**

- To learn how to measure financial risk
- To understand the tools of financial risk management
- To develop skills in Microsoft Excel and the Python programming language
- The course is a study of concepts and tools used to measure and mitigate risk
- To apply those skills in applications for risk management decisions
- To write a risk management term paper

## Course Materials

### Required Textbook

Grant, Charles W. (**AmpedUp**) **Risk Management**, ISBN 978010002848X, ©2021 CW Grant and Company Limited. The textbook for this course is an EBook and is available for purchase from the University of Manitoba Bookstore. You will need to purchase a code to get admittance to the book. To get your code you can go the University of Manitoba Bookstore and purchase a code at the service desk or you can phone the University of Manitoba Bookstore at (204) 474-8321 or toll free at 1-800-310-3331 and a customer service person will talk you through the order. Or you can do the online order yourself by starting at the link <https://umanitoba.ca/campus/bookstore/shoponline.html> If you do it online yourself opt for the "pick up in store" option rather than "delivery". Your code will be emailed to you. Your code for the e-textbook will be emailed to you. You then go to <https://ampedupriskmanagement.ca> and sign up for the e-textbook. An email will come to you inviting you to submit your purchased code. Allow 24 hours for receipt of the returned email. Upon receipt of your returned email with your code you will be admitted to the e-textbook.

### Required Technology

The technology required for the course is a computer, Microsoft Office software, and an Internet connection. Microsoft Office 365 is available to you as part of your registration as a student at the University of Manitoba.

### Course Overview

ABIZ 3540 involves a series of learning units to introduce financial risk management concepts and applications. Each unit coincides with a chapter in the required textbook. Exercises for student applications of the concepts are to be completed – Exercise 1 for Chapters 1 to 6; Exercise 2 for Chapters 7 to 10. In addition, a term paper regarding financial risk management will be completed by each student (Assignment 3).

#### Topics

- Ch.1 Getting Started
- Ch2. Market Model
- Ch3. Python Coding 1
- Ch.4 Forwards

- Ch5. Options
- Ch6. Futures
- Ch7. Python Coding 2
- Ch8. Pivot Table
- Ch9. Portfolio
- Ch10. Python Coding 3
- Ch11. Term Paper Outline
- Ch12. Term Paper Checklist

## **Learning activities**

To learn the materials presented in this course students should read the textbook chapters that correspond with the learning units and complete the exercises as assigned. Students should then review in detail all of the material to prepare for the final examination.

## **Evaluation and Grading**

Grading for ABIZ 3540 includes evaluation of two submitted assignments, an executive business plan, and a final examination. The two assignments are graded out of 15% each. Late assignments are docked 10% per day with a two-hour grace period on the first day.

### **Distribution of Marks**

Assignment1–Chapters1-6 20%

Assignment2–Chapters7-10 20%

Term Paper 10%

Final Examination 50%

Total 100%

### **Grade Assignment**

Percentage out of 100

Letter Grade

95-100 A+

86-94 A

80-85 B+

72-79 B

65-71 C+

60-64 C

50-59 D

Below 50 F

## **Assignment Submission**

Assignments are to be submitted to UM Learn. The various parts of the assignments are to be bound up in a single PDF file for each assignment for submission. Multiple files will not be graded so be sure to bind up all of the relevant files for each assignment into a single PDF file. Assignments are to show a screen shot of answers to the in-chapter questions for each chapter followed by screen shots of the answers to the questions for each unit listed at the end of each chapter. The first assignment is for chapters 1 to 6 and the second assignment is for chapters 7 to 10. The third assignment is a term paper on a financial risk management topic.

## **Assignment Due Dates**

Assignment 1 – Chapters 1-6 Due Fri Feb 25 2021 at 11:59 PM

Assignment 2 – Chapters 7-10 Due Fri Apr 1 2021 at 11:59 PM

Assignment 3 – Term Paper Due Fri Apr 22 2021 at 11:59 PM

Final Examination – To be scheduled by Registrar's Office

Penalty of late submission of assignments is 10% per day late with a two-hour grace period on the first day. Examination The Registrar's Office is responsible for the final exam schedule which is available approximately one month after the start of the course.

## **Plagiarism, cheating, and examination impersonation**

You should acquaint yourself with the University's policy on plagiarism, cheating, and examination impersonation as detailed in the General Academic Regulations and Policy section of the University of Manitoba *Undergraduate Calendar*. Note: These policies are also located in your *Distance and Online Education Student Handbook* or you may refer to Student Affairs at <http://www.umanitoba.ca/student>.

## Academic Supports Available to Students

### Writing and Learning Support

The Academic Learning Centre (ALC) offers services that may be helpful to you throughout your academic program. Through the ALC, you can meet with a learning specialist to discuss concerns such as time management, learning strategies, and test-taking strategies. The ALC also offers peer supported study groups called Supplemental Instruction (SI) for certain courses that students have typically found difficult. In these study groups, students have opportunities to ask questions, compare notes, discuss content, solve practice problems, and develop new study strategies in a group-learning format.

You can also meet one-to-one with a writing tutor who can give you feedback at any stage of the writing process, whether you are just beginning to work on a written assignment or already have a draft. If you are interested in meeting with a writing tutor, reserve your appointment two to three days in advance of the time you would like to meet. Also, plan to meet with a writing tutor a few days before your paper is due so that you have time to work with the tutor's feedback.

These Academic Learning Centre services are free for U of M students. For more information, please visit the Academic Learning Centre website at: <http://umanitoba.ca/student/academiclearning/>

You can also contact the Academic Learning Centre by calling 204-480-1481 or by visiting 205 Tier Building.

### University of Manitoba Libraries (UML)

As the primary contact for all research needs, your liaison librarian can play a vital role when completing academic papers and assignments. Liaisons can answer questions about managing citations, or locating appropriate resources, and will address any other concerns you may have, regarding the research process. Liaisons can be contacted by email or phone, and are also available to meet with you in-person. A complete list of liaison librarians can be found by subject: <http://bit.ly/WcEbA1> or name: <http://bit.ly/1tJ0bB4>. In addition, general library assistance is provided in person at 19 University Libraries, located on both the Fort Garry and Bannatyne campuses, as well as in many Winnipeg hospitals. For a listing of all libraries, please consult the following: <http://bit.ly/1sXe6RA>. When working remotely, students can also receive help

online, via the Ask-a-Librarian chat found on the Libraries' homepage: [www.umanitoba.ca/libraries](http://www.umanitoba.ca/libraries).

For 24/7 mental health support, contact the Mobile Crisis Service at 204-940-1781.

## **Student Counselling Centre**

Contact SCC if you are concerned about any aspect of your mental health, including anxiety, stress, or depression, or for help with relationships or other life concerns. SCC offers crisis services as well as individual, couple, and group counselling. *Student Counselling Centre*: <http://umanitoba.ca/student/counselling/index.html>

**474 University Centre or S207 Medical Services**

(204) 474-8592

## **Student Support Case Management**

Contact the Student Support Case Management team if you are concerned about yourself or another student and don't know where to turn. SSCM helps connect students with on and off campus resources, provides safety planning, and offers other supports, including consultation, educational workshops, and referral to the STATIS threat assessment team.

*Student Support Intake Assistant* <http://umanitoba.ca/student/case-manager/index.html>

520 University Centre

(204) 474-7423

## **University Health Service**

Contact UHS for any medical concerns, including mental health problems. UHS offers a full range of medical services to students, including psychiatric consultation.

*University Health Service* <http://umanitoba.ca/student/health/>

104 University Centre, Fort Garry Campus

(204) 474-8411 (Business hours or after hours/urgent calls)

## **Medical Circumstances**

Students who are unable to meet a course requirement due to medical circumstances are currently not required to submit medical notes. However, students are required to contact their instructor or academic advisor by email to inform of the missed work and

to make arrangements for extensions, deferrals, or make-up assignments. Please follow these guidelines if you are unable to meet an academic requirement for your courses.

Contact your instructor for term work such as a class, quiz, midterm/test, assignment, lab;

Contact an advisor in your faculty/college/school of registration for a missed final exam (scheduled in the final examination period);

Inform your instructor/advisor as soon as possible do not delay. Note for final exams, students must contact within 48 hours of the date of the final exam; and

Email your instructor/advisor from a U of M email address, and include your full name, student number, course number, and academic work that was missed.

## **Health and Wellness**

Contact our Health and Wellness Educator if you are interested in information on a broad range of health topics, including physical and mental health concerns, alcohol and substance use harms, and sexual assault.

*Health and Wellness Educator* <http://umanitoba.ca/student/health-wellness/welcome.html>

[Katie.Kutryk@umanitoba.ca](mailto:Katie.Kutryk@umanitoba.ca)

469 University Centre

(204) 295-9032

Live Well @ UofM

For comprehensive information about the full range of health and wellness resources available on campus, visit the Live Well @ UofM site:

<http://umanitoba.ca/student/livewell/index.html>

## **A notice with respect to copyright**

All students are required to respect copyright as per Canada's *Copyright Act*. Staff and students play a key role in the University's copyright compliance as we balance user rights for educational purposes with the rights of content creators from around the world. The Copyright Office provides copyright resources and support for all members of the University of Manitoba community. Visit <http://umanitoba.ca/copyright> for more information.

## Your rights and responsibilities

As a student of the University of Manitoba you have rights and responsibilities. It is important for you to know what you can expect from the University as a student and to understand what the University expects from you. Become familiar with the policies and procedures of the University and the regulations that are specific to your faculty, college or school.

The [Academic Calendar](http://umanitoba.ca/student/records/academiccalendar.html) <http://umanitoba.ca/student/records/academiccalendar.html> is one important source of information. View the sections *University Policies and Procedures* and *General Academic Regulations*.

If you have questions about your grades, talk to your instructor. There is a process for term work and final grade appeals. Note that you have the right to access your final examination scripts. See the Registrar's Office website for more information including appeal deadline dates and the appeal form <http://umanitoba.ca/registrar/>

You are expected to view the General Academic Regulation section within the Academic Calendar and specifically read the Academic Integrity regulation. Consult the course syllabus or ask your instructor for additional information about demonstrating academic integrity in your academic work. Visit the Academic Integrity Site for tools and support <http://umanitoba.ca/academicintegrity/> View the Student Academic Misconduct procedure for more information.

The University is committed to a respectful work and learning environment. You have the right to be treated with respect and you are expected conduct yourself in an appropriate respectful manner. Policies governing behavior include the:

### Respectful Work and Learning Environment

[http://umanitoba.ca/admin/governance/governing\\_documents/community/230.html](http://umanitoba.ca/admin/governance/governing_documents/community/230.html)

### Student Discipline

[http://umanitoba.ca/admin/governance/governing\\_documents/students/student\\_discipline.html](http://umanitoba.ca/admin/governance/governing_documents/students/student_discipline.html) and,

### Violent or Threatening Behaviour

[http://umanitoba.ca/admin/governance/governing\\_documents/community/669.html](http://umanitoba.ca/admin/governance/governing_documents/community/669.html)

If you experience Sexual Assault or know a member of the University community who has, it is important to know there is a policy that provides information about the

supports available to those who disclose and outlines a process for reporting. The Sexual Assault policy may be found at:  
[http://umanitoba.ca/admin/governance/governing\\_documents/community/230.html](http://umanitoba.ca/admin/governance/governing_documents/community/230.html)  
More information and resources can be found by reviewing the Sexual Assault site  
<http://umanitoba.ca/student/sexual-assault/>

For information about rights and responsibilities regarding Intellectual Property view the policy [http://umanitoba.ca/admin/governance/media/Intellectual\\_Property\\_Policy - 2013 10 01.pdf](http://umanitoba.ca/admin/governance/media/Intellectual_Property_Policy_-_2013_10_01.pdf)

For information on regulations that are specific to your academic program, read the section in the Academic Calendar and on the respective faculty/college/school web site  
<http://umanitoba.ca/faculties/>

Contact an Academic Advisor within our faculty/college or school for questions about your academic program and regulations <http://umanitoba.ca/academic-advisors/>

### **Student Advocacy**

Contact Student Advocacy if you want to know more about your rights and responsibilities as a student, have questions about policies and procedures, and/or want support in dealing with academic or discipline concerns.

<http://umanitoba.ca/student/advocacy/>

520 University Centre

204 474 7423

[student\\_advocacy@umanitoba.ca](mailto:student_advocacy@umanitoba.ca)

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