

**FIN-4300-110, ADVANCED FINANCIAL MANAGEMENT  
CRN 80130**

Class: 1:00 – 2:15 pm MW Founder's Hall Room 311

Fall 2019

Texas A&M University-Central Texas

**INSTRUCTOR AND CONTACT INFORMATION**

**Instructor: Marty Hanby, Assistant Professor of Finance**

**Office: Founder's Hall, 323S**

**Phone: 254-519-5772**

**Email: [m.hanby@tamuct.edu](mailto:m.hanby@tamuct.edu)**

**Office Hours: By appointment**

**Mode of instruction and course access:**

This is a face-to-face course with materials made available online via the A&M-Central Texas Canvas Learning Management System [<https://tamuct.instructure.com>]. Exams will be given in class unless approved by instructor.

**Course Materials:**

Textbook: Corporate Finance 12<sup>th</sup> Edition Ross, Westerfield, Jaffe, and Jordan  
ISBN-13: 978-1259918940

**Course Prerequisites: FIN 3301**

**Student-instructor interaction:** I highly recommend that you take the time to communicate with me or come to my office hours, this will be beneficial to both of us. This gives me the opportunity to understand both your strengths and weaknesses, students that take the time to get to know me usually do much better in my class. My preferred communication method is via email, I check email regularly during the week and a couple of times a day on weekends.

**WARRIOR SHIELD**

Emergency Warning System for Texas A&M University-Central Texas Warrior Shield is an emergency notification service that gives Texas A&M University-Central Texas the ability to communicate health and safety emergency information quickly via email, text message, and social media. All students are automatically enrolled in Warrior Shield through their myCT email account.

**Connect to Warrior Shield by 911Cellular**

[<https://portal.publicsafetycloud.net/Account/Login>] to change where you receive your alerts or to opt out. By staying enrolled in Warrior Shield, university officials can quickly pass on safety-related information, regardless of your location.

## **COURSE INFORMATION**

**Course Overview and description:** Analyze value-based management techniques with emphasis on the factors affecting the corporation's intent to maximize shareholder wealth. Explore financial statement analysis, cash flow analysis, economic and market value added securities valuation, the cost of capital, capital budgeting, capital structure, dividend policy, the use of leverage, working capital management, and corporate governance.

An advanced analysis of value-based management techniques with the emphasis on the factor affecting the corporation's quest to maximize shareholder wealth. Topics covered include financial statement analysis, cash flow analysis, economic and market value added, securities valuation, the cost of capital, capital budgeting, capital structure, dividend policy, the use of leverage, working capital management, and corporate governance.

**Course Objective:** This is intended as a second course in corporate finance, following a course in basic corporate finance. It provides greater depth of the issues of firm valuation, capital structure, cost of capital, capital budgeting. These issues are central to the investment, financing, and dividend policy decisions facing financial managers. The course also provides a link between theory and practice.

Upon completion of this course, students should be able to discuss, explain, or calculate the following:

1. The techniques used to solve different types of time value of money (TVM) problems.
2. The flow of information into a firm's financial statements, their measurement issues and the potential pitfalls in their information.
3. The factors that influence economic value added (EVA) and market value added (MVA).
4. The different methods used to assess a firm's strengths and weaknesses, including a deep look at financial statements.
5. The techniques used to value financial assets and the value of a firm.
6. How to measure stand-alone risk and market risk.
7. The relationship between risk and rates of return: the risk/return tradeoff.
8. The elements and peculiarities of the weighted average cost of capital (WACC) and its relationship with the optimal capital structure.
9. The basics of capital budgeting.

### **Competency Goals:**

Upon completion of this course students are expected to be able to do the following:

1. Explain the relationship between compounding and discounting, between future and present value. Calculate the future value of some beginning amount, the present value of a single payment to be received in the future, the interest rate or time, given the other three variables in the TVM equation, the future and present value of a series of equal, periodic payments (annuity), the present and future values of an uneven series of cash flows, and construct loan amortization schedules for fully-amortized loans.

2. List the types of information found in a corporation's annual report, explain what a balance sheet is, the information it provides, and how assets and claims on assets are arranged on a balance sheet. Explain what an income statement is and the information it provides. Differentiate between net cash flow and accounting profit. Identify the purpose of the statement of cash flows, list the factors affecting a firm's cash position that are reflected in this statement, and identify the three categories of activities that are separated out in this statement.
3. Discuss how certain modifications to the accounting data are needed and used for corporate decision making and stock valuation purposes. Explain the terms: net operating working capital, total operating capital, NOPAT, operating cash flow, and free cash flow; and explain how each is calculated. Define the terms Market Value Added (MVA) and Economic Value Added (EVA), explain how each is calculated, and differentiate between them.
4. Identify the five groups of ratios, specify which ratios belong in each group and demonstrate how each is calculated. Explain what information each group gives us about the firm's financial position. Explain what trend analysis is, and why it is important. Describe how the basic Du Pont equation is used, and how it may be modified to form the extended Du Pont equation, which includes the effect of financial leverage. Explain "benchmarking" and its purpose.
5. Calculate the value of a bond with annual or semiannual interest payments. Calculate the yield to maturity, the yield to call, and the current yield on a bond. Differentiate between interest rate risk, reinvestment rate risk, and default risk. Explain the importance of bond ratings and list some of the criteria used to rate bonds. Determine the value of a share of common stock when: (1) dividends are expected to grow at some constant rate, (2) dividends are expected to remain constant (zero growth), and (3) dividends are expected to grow at some supernormal, or nonconstant, growth rate.
6. Determine the value of a share of preferred stock, or given its value, calculate its expected return. Apply the total company (corporate valuation) model to value a firm in situations where future dividends are not easily predictable. Define risk and calculate the expected rate of return, standard deviation, and coefficient of variation for a probability distribution and historical observations. Explain the significance of a stock's beta coefficient and use the market model to calculate it.
7. Specify how risk aversion influences required rates of return. State the basic proposition of the Capital Asset Pricing Model (CAPM) and use the Security Market Line to calculate a stock's required rate of return. h. Define and calculate the component costs of debt and preferred stock.
8. Use several approaches to estimate the component cost of retained earnings. Calculate the cost of new common equity and calculate the retained earnings breakpoint. Calculate the firm's composite, or weighted average, cost of capital and explain how WACC moderates the optimal capital structure.

9. Calculate net present value (NPV) and internal rate of return (IRR) for a given project and evaluate each method. Calculate the modified internal rate of return (MIRR) for a given project and evaluate this method. Calculate both the payback and discounted payback periods for a given project and evaluate each method.

You will need a financial calculator. I prefer that you have the TI BAI Professional financial calculator. This is because I can show you examples in class using these calculators. If you prefer to use a HP business calculator or a graphics calculator that has financial functions that is fine but do not expect me to tutor you on how to use your own calculator.

## COURSE REQUIREMENTS

Assignments (100 points) – There will be homework assignments throughout the semester and their due dates are included in the TENTATIVE COURSE OUTLINE AND CALENDAR. Instructions for each assignment are posted in Canvas, failure to follow instructions will result in a failing grade. All assignments combined will be worth 100 points. I will not accept late assignments. Let me repeat. I WILL NOT ACCEPT LATE ASSIGNMENTS!

Exams (300 points) - You will have 3 exams in this class. Each exam is worth 100 points. All exams will cover material from the chapters that were covered after the previous exam. This means that the exams are not comprehensive...technically. However; since much of the material builds on itself you must understand earlier chapters to be able to show your understanding of later chapters. **The optional final exam is comprehensive and if you elect to take the final it will replace your lowest exam grade. There is a risk to taking the final, your grade can improve or decline depending on your test score. Also, if you elect to take the final and do not show up, you will receive a grade of 0.**

### Grading:

$\geq 90\%$	A
80 - 89.99%	B
70 - 79.99%	C
60 - 69.99%	D
$< 60\%$	F

NOTE: Requests for Incomplete Grades: Incompletes will only be given in emergency or other extreme circumstances. Any request for an incomplete grade in this course must be approved by the professor prior to the last week of classes. Requests should be submitted in written form. include a detailed explanation and documentation. and must include an address and/or telephone number where you may be contacted throughout the following semester. There is a university requirement that a substantial portion of the course work must have been completed by the student prior to receiving and incomplete. Also. students will be required to enter into a contract with the professor to finish the course within some set time frame to be determined by the professor. Students will no longer be able to get an IC after doing 5% of the class and then get an extra semester to complete their work.

**Posting of Grades:** Grades will be posted in Canvas, in most cases they will be posted prior to the next class after an exam.

### TENTATIVE COURSE OUTLINE AND CALENDAR

Date	Topic	Chapter	Assignment Due*
8/26	Introduction to Corporate Finance	1	
8/28	Financial Statements and Cash Flow	2	
9/2	<b>Martin Luther King Day</b>		
9/4	Financial Statements and Cash Flow	2	Ch 1 – Quick Quiz only
9/9	Financial Statements Analysis and Financial Models	3	
9/11	Discounted Cash Flow Valuation	4	Ch 2 – 1,2,4&13
9/16	Discounted Cash Flow Valuation	4	
9/18	Net Present Value and Other Investment Rules	5	Ch 3 – 1,2,3, 5,6,11&14 & 4 – 3,4,5,15&20
9/23	Net Present Value and Other Investment Rules	5	
9/25	<b>Exam 1</b>		Ch 5 – 3,10,11,12,13,14&15
9/30	Making Capital Investment Decisions	6	
10/2	Making Capital Investment Decisions	6	
10/7	Risk Analysis, Real Options and Capital Budgeting	7	Ch 6 – 3,8,11,15&18
10/9	Risk Analysis, Real Options and Capital Budgeting	7	
10/16	Interest Rates and Bond Valuation	8	Ch 7 – 1,2,3,5,10&14
10/18	Interest Rates and Bond Valuation	8	
10/23	Stock Valuation	9	Ch 8 - 1,3,7,15,18&20
10/25	Stock Valuation	9	
10/28	Lessons from Market History	10	Ch 9 – 1,2,4,8,10,12&14
10/30	<b>Exam 2</b>		Ch 10 – 1,2,3,12&20
11/4	Return, Risk and the Capital Asset Pricing Model	11	
11/6	Return, Risk and the Capital Asset Pricing Model	11	
11/11	<b>Veterans Day</b>		
11/13	Risk, Cost of Capital, and Valuation	13	Ch 11 – 1,2,3,6,8,12&18
11/18	Risk, Cost of Capital, and Valuation	13	
11/20	Long-Term Financing	15	Ch 13 – 1,4,5,6,12,14&19
11/25	Capital Structure	16	
11/27	<b>Thanksgiving</b>		
12/2	Capital Structure	16	
12/4	<b>Exam 3</b>		Ch 15&16
12/11	<b>Optional Comprehensive Final</b>		

\*All chapter homework assignments include the questions from the Quick Quiz on the last page of the PowerPoint slides for every chapter.

### **Important University Dates:**

- August 26 Classes Begin for Fall Semester
- August 26 Add, Drop, and Late Registration Begins for 16- and First 8-week Classes \$25 Fee assessed for late registrants
- August 28 Deadline for Add, Drop, and Late Registration for 16- and First 8-week
- September 2 Labor Day (University Closed)
- September 3, Deadline to Drop First 8-week Classes with No Record
- September 11 Deadline to drop 16-week Classes with No Record
- October 1 Deadline for Teacher Education and Professional Certification Applications
- October 4 Deadline to Drop First 8-week Classes with a Quit (Q) or Withdraw (W)
- October 4 Deadline for Graduation Application for Ceremony Participation
- October 15 Deadline for Clinical Teaching/Practicum Applications
- October 18 Classes End for First 8-week Session
- October 18 Deadline to Withdraw from University for First 8-Week Classes (WF)
- October 21 Add, Drop, and Late Registration Begins for Second 8-Week Classes \$25 Fee assessed for late registrants
- October 21 Classes Begin for Second 8-Week Session
- October 21 Class Schedule Published for Spring Semester
- October 22 Deadline for Faculty Submission of First 8-Week Class Final Grades (due by 3pm)
- October 23 Deadline for Add, Drop, and Late Registration for Second 8-Week Classes
- October 28 Deadline to Drop Second 8-Week Classes with No Record
- November 4 Registration Opens for Spring Semester
- November 8 Deadline to Drop 16-Week Classes with a Quit (Q) or Withdraw (W)
- November 11 Veteran's Day (University Closed)
- November 28-29 Thanksgiving (University Closed)
- November 29 Deadline to Drop Second 8-Week Classes with a Quit (Q) or Withdraw (W)
- December 13 Deadline for Applications for Tuition Rebate for Fall Graduation (5pm)
- December 13 Deadline for Degree Conferral Applications to the Registrar's Office \$20 Late Application Fee
- December 13 Deadline to Withdraw from University for 16- and Second 8-Week Classes
- December 13 Fall Semester Ends
- December 13 Fall Commencement Ceremony
- December 17 Deadline for Faculty Submission of 16-Week and Second 8-Week Final Class Grades (due by 3pm)

## TECHNOLOGY REQUIREMENTS AND SUPPORT

### Technology Requirements

This course will use the A&M-Central Texas Instructure Canvas learning management system. Logon to A&M-Central Texas Canvas [<https://tamuct.instructure.com/>] or access Canvas through the TAMUCT Online link in myCT [<https://tamuct.onecampus.com/>]. You will log in through our Microsoft portal.

Username: Your MyCT email address. Password: Your MyCT password

### Canvas Support

Use the Canvas Help link, located at the bottom of the left-hand menu, for issues with Canvas. You can select “Chat with Canvas Support,” submit a support request through “Report a Problem,” or call the Canvas support line: 1-844-757-0953.

For issues related to course content and requirements, contact your instructor.

### Other Technology Support

For log-in problems, students should contact Help Desk Central  
24 hours a day, 7 days a week

Email: [helpdesk@tamu.edu](mailto:helpdesk@tamu.edu)

Phone: (254) 519-5466

[Web Chat](http://hdc.tamu.edu): [<http://hdc.tamu.edu>]

*Please let the support technician know you are an A&M-Central Texas student.*

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## UNIVERSITY RESOURCES, PROCEDURES, AND GUIDELINES

### Drop Policy

If you discover that you need to drop this class, you must complete a [Drop Request Form](https://www.tamuct.edu/registrar/docs/Drop_Request_Form.pdf) [[https://www.tamuct.edu/registrar/docs/Drop\\_Request\\_Form.pdf](https://www.tamuct.edu/registrar/docs/Drop_Request_Form.pdf)].

Professors cannot drop students; this is always the responsibility of the student. The Registrar’s Office will provide a deadline on the Academic Calendar for which the form must be completed, signed and returned. Once you return the signed form to the Registrar’s Office, you must go into Warrior Web and confirm that you are no longer enrolled. If you still show as enrolled, FOLLOW-UP with the Registrar’s Office immediately. You are to attend class until the procedure is complete to avoid penalty for absence. Should you miss the drop deadline or fail to follow the procedure, you will receive an F in the course, which may affect your financial aid and/or VA educational benefits.

### Academic Integrity

Texas A&M University -Central Texas values the integrity of the academic enterprise and strives for the highest standards of academic conduct. A&M-Central Texas expects its students, faculty, and staff to support the adherence to high standards of personal and scholarly conduct to preserve the honor and integrity of the creative community. Academic integrity is defined as a commitment to honesty, trust, fairness, respect, and responsibility. Any deviation by students from this expectation may result in a failing grade for the assignment and potentially a failing

grade for the course. Academic misconduct is any act that improperly affects a true and honest evaluation of a student's academic performance and includes, but is not limited to, cheating on an examination or other academic work, plagiarism and improper citation of sources, using another student's work, collusion, and the abuse of resource materials. All academic misconduct concerns will be reported to the university's Office of Student Conduct. Ignorance of the university's standards and expectations is never an excuse to act with a lack of integrity. When in doubt on collaboration, citation, or any issue, please contact your instructor before taking a course of action.

For more [information regarding the Student Conduct process](https://www.tamuct.edu/student-affairs/student-conduct.html), [https://www.tamuct.edu/student-affairs/student-conduct.html].

If you know of potential honor violations by other students, you may [submit a report](https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout_id=0), [https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout\_id=0].

### **Academic Accommodations**

At Texas A&M University-Central Texas, we value an inclusive learning environment where every student has an equal chance to succeed and has the right to a barrier-free education. The Office of Access and Inclusion is responsible for ensuring that students with a disability receive equal access to the university's programs, services and activities. If you believe you have a disability requiring reasonable accommodations please contact the Office of Access and Inclusion, WH-212; or call (254) 501-5836. Any information you provide is private and confidential and will be treated as such.

For more information please visit our [Access & Inclusion](https://tamuct.instructure.com/courses/717) Canvas page (log-in required) [https://tamuct.instructure.com/courses/717]

### **Important information for Pregnant and/or Parenting Students**

Texas A&M University-Central Texas supports students who are pregnant and/or parenting. In accordance with requirements of Title IX and related guidance from US Department of Education's Office of Civil Rights, the Dean of Student Affairs' Office can assist students who are pregnant and/or parenting in seeking accommodations related to pregnancy and/or parenting. Students should seek out assistance as early in the pregnancy as possible. For more information, please visit [Student Affairs](https://www.tamuct.edu/student-affairs/index.html) [https://www.tamuct.edu/student-affairs/index.html]. Students may also contact the institution's Title IX Coordinator. If you would like to read more about these [requirements and guidelines](http://www2.ed.gov/about/offices/list/ocr/docs/pregnancy.pdf) online, please visit the website [http://www2.ed.gov/about/offices/list/ocr/docs/pregnancy.pdf].

Title IX of the Education Amendments Act of 1972 prohibits discrimination on the basis of sex and gender—including pregnancy, parenting, and all related conditions. A&M-Central Texas is able to provide flexible and individualized reasonable accommodation to pregnant and parenting students. All pregnant and parenting students should contact the Associate Dean in the Division of Student Affairs at (254) 501-5909 to seek out assistance. Students may also contact the University's Title IX Coordinator.

### **Tutoring**

Tutoring is available to all A&M-Central Texas students, both on-campus and online.

Subjects tutored on campus include Accounting, Advanced Math, Biology, Finance, Statistics, Mathematics, and Study Skills. Tutors are available at the Tutoring Center in Warrior Hall, Suite 111. Tutor.com tutoring **will not** offer writing support beginning August 1, 2019.

If you have a question regarding tutor schedules, need to schedule a tutoring session, are interested in becoming a tutor, or have any other question, contact Academic Support Programs at (254) 519-5796, or by emailing Dr. DeEadra Albert-Green at [deeadra.albertgreen@tamuct.edu](mailto:deeadra.albertgreen@tamuct.edu).

Chat live with a tutor 24/7 for almost any subject from on your computer! Tutor.com is an online tutoring platform that enables A&M-Central Texas students to log in and receive online tutoring support at no additional cost. This tool provides tutoring in over 40 subject areas. Access Tutor.com through Canvas.

### **University Writing Center**

Located in Warrior Hall 416, the University Writing Center (UWC) at Texas A&M University–Central Texas (TAMUCT) is a free workspace open to all TAMUCT students from 10:00 a.m.-5:00 p.m. Monday thru Thursday with satellite hours in the University Library Monday thru Thursday from 6:00-9:00 p.m. This semester, the UWC is also offering online only hours from 12:00-3:00 p.m. on Saturdays.

Tutors are prepared to help writers of all levels and abilities at any stage of the writing process. While tutors will not write, edit, or grade papers, they will assist students in developing more effective composing practices. By providing a practice audience for students' ideas and writing, our tutors highlight the ways in which they read and interpret students' texts, offering guidance and support throughout the various stages of the writing process. In addition, students may work independently in the UWC by checking out a laptop that runs the Microsoft Office suite and connects to WIFI, or by consulting our resources on writing, including all of the relevant style guides. Whether you need help brainstorming ideas, organizing an essay, proofreading, understanding proper citation practices, or just want a quiet place to work, the UWC is here to help!

Students may arrange a one-to-one session with a trained and experienced writing tutor by visiting the UWC during normal operating hours (both half-hour and hour sessions are available) or by making an appointment via [WCOonline](https://tamuct.mywconline.com/) [https://tamuct.mywconline.com/]. In addition, you can email Dr. Bruce Bowles Jr. at [bruce.bowles@tamuct.edu](mailto:bruce.bowles@tamuct.edu) if you have any questions about the UWC and/or need any assistance with scheduling.

### **University Library**

The University Library provides many services in support of research across campus and at a distance. We offer over 200 electronic databases containing approximately 250,000 eBooks and 82,000 journals, in addition to the 85,000 items in our print collection, which can be mailed to students who live more than 50 miles from campus. Research guides for each subject taught at A&M-Central Texas are available through our website to help students navigate these resources. On campus, the library offers technology including cameras, laptops, microphones, webcams,

and digital sound recorders.

Research assistance from a librarian is also available 24 hours a day through our online chat service, and at the reference desk when the library is open. Research sessions can be scheduled for more comprehensive assistance, and may take place on Skype or in-person at the library. Assistance may cover many topics, including how to find articles in peer-reviewed journals, how to cite resources, and how to piece together research for written assignments.

Our 27,000-square-foot facility on the A&M-Central Texas main campus includes student lounges, private study rooms, group work spaces, computer labs, family areas suitable for all ages, and many other features. Services such as interlibrary loan, TexShare, binding, and laminating are available. The library frequently offers workshops, tours, readings, and other events. For more information, please visit our [Library website](http://tamuct.libguides.com/index) [http://tamuct.libguides.com/index].

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## **OPTIONAL POLICY STATEMENTS**

### **A Note about Sexual Violence at A&M-Central Texas**

Sexual violence is a serious safety, social justice, and public health issue. The university offers support for anyone struggling with these issues. University faculty are mandated reporters, so if someone discloses that they were sexually assaulted (or a victim of Domestic/Dating Violence or Stalking) while a student at TAMUCT, faculty members are required to inform the Title IX Office. If you want to discuss any of these issues confidentially, you can do so through Student Counseling (254-501-5955) located on the second floor of Warrior Hall (207L).

Sexual violence can occur on our campus because predators often feel emboldened, and victims often feel silenced or shamed. It is incumbent on ALL of us to find ways to actively create environments that tell predators we don't agree with their behaviors and tell survivors we will support them. Your actions matter. Don't be a bystander; be an agent of change. For additional information on campus policy and resources visit the [Title IX webpage](https://www.tamuct.edu/departments/compliance/titleix.php) [https://www.tamuct.edu/departments/compliance/titleix.php].

### **Behavioral Intervention**

Texas A&M University-Central Texas cares about the safety, health, and well-being of its students, faculty, staff, and community. If you are aware of individuals for whom you have a concern, who are exhibiting behaviors that pose a threat to safety, or individuals causing a significant disruption to our community, please make a referral to the Behavioral Intervention Team. You can complete the [referral](https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout_id=2) online [https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout\_id=2].

Anonymous referrals are accepted. Please see the [Behavioral Intervention Team](https://www.tamuct.edu/student-affairs/bat.html) website for more information [https://www.tamuct.edu/student-affairs/bat.html]. If a person's behavior poses an imminent threat to you or another, contact 911 or A&M-Central Texas University Police at 254-501-5800.

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## **INSTRUCTOR POLICIES**

I do not accept late assignments and any calculator with communication features is strictly prohibited. Electronic devices are permitted in class for note taking purposes only.

### **Copyright Notice**

Students should assume that all course material is copyrighted by the respective author(s). Reproduction of course material is prohibited without consent by the author and/or course instructor. Violation of copyright is against the law and Texas A&M University-Central Texas' Code of Academic Honesty. All alleged violations will be reported to the Office of Student Conduct.