

# TE 566: Finance for Engineering Management

**Technology Entrepreneur Center**  
GRAINGER ENGINEERING



## Summer 2026

- **2 credit hours**
- **Online**

## Instructor

**Dr. Brian Lilly**

**Communicate with  
Canvas messenger**

**Zoom Meeting Info  
See Canvas for link**

**All zoom sessions  
are recorded for later  
viewing**

**Zoom meeting each  
Wednesday 6:00 PM -  
6:50PM**

## Course Purpose

Finance for Engineering Management introduces engineers to the important elements and metrics of business finance and contemporary engineering economics. The course covers a broad range of topics and explains the relationships between customers, employees, and shareholders in a corporate environment.

## Learning Objectives

Upon completion of this course, you will understand the cornerstone financial concepts for engineering management to enable analysis of engineering projects from a financial perspective:

1. income statements,
2. the balance sheet,
3. cash flow statements,
4. financial ratio analysis,
5. corporate organization,
6. the time value of money and net present value, and
7. discounted cash flow analysis.

## Required Texts

The class text is inexpensive and available through Amazon.

**Title: Understanding Financial Statements – A Primer of Useful Information**

**Author:** Gill and Chatton

**ISBN:** 978-1-56052-425-0

**ISBN-10:** 1-56052-425-1

## Grading

**50%** - Homework (no credit given for late homework)

**50%** - Final software program

## Grading Scale

A	94-100%	C	70-74%
A-	90-93%	C-	67-69%
B+	86-89%	D+	63-66%
B	82-85%	D	60-63%
B-	79-81%	F	<60%

## Tentative Schedule & Assignment Dates

Week	Zoom	Lecture/Discussion	Assignments Due as Noted
1	June 17	<ul style="list-style-type: none"> <li>Zoom Tues 6:00PM–6:50PM</li> </ul>	<ul style="list-style-type: none"> <li>Watch video 1.</li> <li>Homework 1 handed out. Due Week 3</li> <li>Final Computer Program assignment posted. Due Week 8</li> </ul>
2	Jan 24	<ul style="list-style-type: none"> <li>Zoom Tues 6:00PM–6:50PM</li> </ul>	<ul style="list-style-type: none"> <li>Watch videos 2 and 3.</li> <li>Homework 2 handed out. Due Week 4</li> </ul>
3	July 1	<ul style="list-style-type: none"> <li>Zoom Tues 6:00PM–6:50PM</li> </ul>	<ul style="list-style-type: none"> <li>Watch video 4.</li> <li>Homework 3 handed out. Due Week 6</li> </ul>
4	July 8	<ul style="list-style-type: none"> <li>Zoom Tues 6:00PM–6:50PM</li> </ul>	<ul style="list-style-type: none"> <li>Watch videos 5 and 6.</li> <li>Work steadily on computer program.</li> </ul>
5	July 15	<ul style="list-style-type: none"> <li>Zoom Tues 6:00PM–6:50PM</li> </ul>	<ul style="list-style-type: none"> <li>Watch videos 7 and 8.</li> <li>Work steadily on computer program.</li> </ul>
6	July 22	<ul style="list-style-type: none"> <li>Zoom Tues 6:00PM–6:50PM</li> </ul>	<ul style="list-style-type: none"> <li>Watch videos 9 and 10.</li> <li>Work steadily on computer program.</li> </ul>
7	July 29	<ul style="list-style-type: none"> <li>Zoom Tues 6:00PM–6:50PM</li> </ul>	<ul style="list-style-type: none"> <li>Watch videos 11, 12, and 13.</li> <li>Work steadily on computer program.</li> </ul>
8	August 5	Turn in Program	

C+ 75-78%

## Homework and Assignment

Assignments should be submitted through Canvas. Homework assignments and due dates will be posted on the syllabus in Canvas. A major homework effort involves producing a finance program in excel or a programming language of your choice that performs many of the basic functions that a small business software package is designed to do. Various modules will be created throughout the course with the final program being the integration of the various modules. Homework assignments will be announced throughout the course.

## Outline of Sessions

As you watch the lectures and the tutorials about programming, the following assignments will help track progress.

- **Homework #1** - Balance sheet
- **Homework #2** - Income and balance sheet
- **Homework #3** - Income, balance sheet, depreciation
- **Computer Program** - A computer program will be coded which tracks invoicing, purchasing, payroll, and inventory for your future startup company. The program inputs and outputs are described in detail in the instructional guide. A sample of the expected output is also provided. This program description is available on Canvas and can be started immediately.

## COVID

Following University policy, all students are required to engage in appropriate behavior to protect the health and safety of the community. Students are also required to follow the campus COVID-19 protocols.

Students who feel ill must not come to class. In addition, students who test positive for COVID 19 or have had an exposure that requires testing and/or quarantine must not attend class. The University will provide information to the instructor, in a manner that complies with privacy laws, about students in these latter categories. These students are judged to have excused absences for the class period and should contact the instructor via email about making up the work.

Students who fail to abide by these rules will first be asked to comply; if they refuse, they will be required to leave the classroom immediately. If a student is asked to leave the classroom, the non-compliant student will be judged to have an unexcused absence and reported to the Office for Student Conflict

Resolution for disciplinary action. Accumulation of non-compliance complaints against a student may result in dismissal from the University.

## Emergency Response Recommendations

Emergency response recommendations can be found at the following website: <http://police.illinois.edu/emergency-preparedness/>. I encourage you to review this website and the campus building floor plans website within the first 10 days of class. <http://police.illinois.edu/emergency-preparedness/building-emergency-action-plans/>.

## Sexual Misconduct Reporting Obligation

The University of Illinois is committed to combating sexual misconduct. Faculty and staff members are required to report any instances of sexual misconduct to the University's Title IX Office. In turn, an individual with the Title IX Office will provide information about rights and options, including accommodations, support services, the campus disciplinary process, and law enforcement options.

A list of the designated University employees who, as counselors, confidential advisors, and medical professionals, do not have this reporting responsibility and can maintain confidentiality, can be found here: [wecare.illinois.edu/resources/students/#confidential](http://wecare.illinois.edu/resources/students/#confidential). Other information about resources and reporting is available here: [wecare.illinois.edu](http://wecare.illinois.edu).

## Academic Integrity

You are expected uphold the highest ethical standards, to be honest, and to practice academic integrity. **This includes doing original work and citing sources**, including the work of other students. Please give special care to prepare high-quality submissions with proper grammar and spelling.

The University of Illinois at Urbana-Champaign Student Code should also be considered as a part of this syllabus. Students should pay particular attention to Article 1, Part 4: Academic Integrity. Read the Code at the following URL: <http://studentcode.illinois.edu/>. Academic dishonesty may result in a failing grade. Every student is expected to review and abide by the Academic Integrity Policy: <https://studentcode.illinois.edu/article1/part4/1-401/>. Ignorance is not an excuse for any academic dishonesty. It is your responsibility to read this policy to avoid any misunderstanding. Do not hesitate to ask the instructor if you are ever in doubt about what constitutes plagiarism, cheating, or any other breach of academic integrity.

## Religious Observances

Illinois law requires the University to reasonably accommodate its students' religious beliefs, observances, and practices in regard to admissions, class attendance, and the scheduling of examinations and work requirements. You should examine this syllabus at the beginning of the semester for potential conflicts between course deadlines and any of your religious observances. If a conflict exists, you should notify your instructor of the conflict and follow the procedure at <https://odos.illinois.edu/community-of-care/resources/students/religious-observances/> to request appropriate accommodations. This should be done in the first two weeks of classes.

## Disability-Related Accommodations

To obtain disability-related academic adjustments and/or auxiliary aids, students with disabilities must contact the course instructor and the Disability Resources and Educational Services (DRES) as soon as possible. To contact DRES, you may visit 1207 S. Oak St., Champaign, call 333-4603, email