



Stevens Institute of Technology
School of Systems and Enterprises
Castle Point on Hudson
Hoboken, NJ 07030

Spring 2024

EM 301

Accounting & Business Analysis

Instructor: Ali Yassine, Ph.D.
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Office Hours (In-person & Virtual): Wednesdays 2:00-6:00pm. Thursdays 5:00-6:30pm. OR by appointment.
<https://stevens.zoom.us/my/ayassine>

Course Schedule: **Lecture: Wed. 10–11:40AM**
Lab: Thurs. 3:30–4:45 PM

Classroom Location: Lecture & Lab: Edwin A. Stevens 229

Prerequisite(s): None

Overview

This course introduces students to the fundamental concepts of financial and managerial accounting, with an emphasis on actions managers can take to effectively address the goals of the firm. Key topics covered include the preparation and analysis of financial statements, particularly creating cash flow statements needed for engineering economic analysis; consideration of variable costs, fixed costs, cost of goods sold, operating costs, product costs, period costs; job costing and process costing; application of accounting information for decision-making: marketing decisions, production decisions; capital budgeting: depreciation, taxation; budgeting process, master budgets, flexible budgets, analysis of budget variances; asset valuation, and inventory costing.

The laboratory portion of the course provides an opportunity to use computer software for solving problems related to the major topics of the course, such as spreadsheet analysis. Moreover, it covers managerial topics, including sessions focused on group dynamics and teamwork, research using the Internet and business ethics.

Course Objectives

By the end of this course, students will:

- Bridge the “gap” in communications between the technical and business communities
- Understand basic financial concepts and terms
- Understand how financial information is used by managers, investors, and stakeholders
- Understand the structure of the three most important financial reports and how to use them.

Course Materials: All course materials will be provided on Canvas

Recommended Text

Ray H. Garrison, Eric W. Noreen and Peter C. Brewer, *Managerial Accounting* 17th edition (2021, McGraw-Hill Education).

Course Requirements

Attendance

You are expected to attend every **Lecture** and **Lab** and to be on time. Absence will affect your grade. Lecture videos will be made available via Canvas for later access.

Lab Assignments (2-3 person Teams randomly assigned)

There are **Eleven** lab assignments, which are due almost weekly except during exam 1 week, Thanksgiving week, and last week of classes. See Canvas for details. All labs assignments are team assignments (2-3 person teams). You must use any templates provided. Numbers must be calculated using Excel: totals and other results may not be just typed in. Questions must be answered in your own words, in complete sentences. **I will drop the lowest score from the 11 lab assignments!**

Quizzes (Individual)

There are **FOUR** short online quizzes throughout the semester. Quizzes are to be completed individually. Two quizzes will be scheduled before exam 1, and two other quizzes will be scheduled between exams 1 and 2.

Exams (Individual)

There are two in-class exams. See the course schedule for dates and Canvas for details. You must attend and take both exams.

Late work

Late work within the first 24 hours after the due date/time automatically lose 50%. Any work later than that receives a zero. This grading policy will be strictly enforced. Grades may be questioned for 1 week after posting. After that, they are final and will not be modified.

Ethical behavior

The Stevens Honor Code pledge must be written on every document submitted for grading. All assignments other than the class presentation must be your own individual work. Any written work must be in your own words, using complete sentences and correct grammar and spelling, and is subject to screening with Turnitin. Any material taken from outside sources must be clearly cited. Cheating of any kind will result in a zero grade for the assignment and will likely result in an Honor Board notification.

Grading Guidelines

The final grade for the course will be calculated using the following grading scale:

Attendance & Participation	5%
Quizzes	10%
Lab Assignments	35%
Exam I	25%
Exam II	25%
Total	100%

Final grades will be awarded in accordance with the following (TENTATIVE) scale:

Grade	Percentage
A	90 - 100
B	80 -89
C	70 - 79
D	60-69
F	<60

Undergraduate Honor System

Enrollment into the undergraduate class of Stevens Institute of Technology signifies a student's commitment to the Honor System. Accordingly, the provisions of the Stevens Honor System apply to all undergraduate students in coursework and Honor Board proceedings. It is the responsibility of each student to become acquainted with and to uphold the ideals set forth in the [Honor System Constitution](#). More information about the Honor System including the constitution, bylaws, investigative procedures, and the penalty matrix can be found on line at <https://web.stevens.edu/honor/>

The following pledge shall be written in full and signed by every student on all submitted work (including, but not limited to, homework, projects, lab reports, code, quizzes and exams) that is assigned by the course instructor. No work shall be graded unless the pledge is written in full and signed.

“I pledge my honor that I have abided by the Stevens Honor System.”

Reporting Honor System Violations

Students who believe a violation of the Honor System has been committed should report it within ten business days of the suspected violation. Students have the option to remain anonymous and can report violations online at www.stevens.edu/honor.

Tentative Lecture & Lab schedule

Week	Topic	Date
Week 1	Introduction to the course (Lecture 0) No lab this week	Wed. 17 Jan. Thurs. 18 Jan.
Week 2	Financial Statements (Lecture 1) Lab 1	Wed. 24 Jan. Thurs. 25 Jan.
Week 3	Financial Ratios (Lecture 2) Lab 2	Wed. 31 Jan. Thurs. 1 Feb.
Week 4	Cost Estimation (Lecture 3) Lab 3	Wed. 7 Feb. Thurs. 8 Feb.
Week 5	Job-Order Costing (Lecture 4) Lab 4	Wed. 14 Feb. Thurs 15 Feb.
Week 6	Wednesday: No Lecture (Monday class schedule) (Thursday Lab) Lab 5	Wed. 21 Feb. Thurs 22 Feb.
Week 7	Activity Based Costing (Lecture 5) Lab 6	Wed. 28 Feb. Thurs 29 Feb.
Week 8	Exam 1 Review Exam 1	Wed. 6 Mar. Thurs 7 Mar
Week 9	Spring Recess. No Classes	Wed. 13 Mar. Thurs 14 Mar
Week 10	Cost Volume Profit (Lecture 6) Lab 7	Wed. 20 Mar. Thurs 21 Mar
Week 11	Inventory Costing (Lecture 7) Lab 8	Wed. 27 Mar. Thurs 28 Mar
Week 12	Process Costing (Lecture 8) Lab 9	Wed. 3 Apr. Thurs. 4 Apr
Week 13	Master Budget (Lecture 9) Lab 10	Wed. 10 Apr. Thurs. 11 Apr
Week 14	Differential Analysis (Lecture 10) Lab 11	Wed. 17 Apr. Thurs. 18 Apr
Week 15	Exam 2 Review No lab this week	Wed. 24 Apr. Thurs. 25 Apr
Week 16	Exam 2	Wed. 1 May