

San Jose State University
College of Business – Accounting and Finance
Biology 202TC – Individual Studies in Biotechnology - Fall Semester 2018

Course and Contact Information

Instructor: Richard D. (Rick) Steingart
Office Location: Business Tower – BT 554
Telephone: (408) 924-3470 (email preferred)
Email: richard.steingart@sjsu.edu
Office Hours: Wednesday 4:45 – 5:45 P.M. or by appointment
Class Days/Time: Wednesday 6:00 – 9:00 P.M. Saturday: 9-12, 1-4 PM
Classroom: **Industrial Studies (IS) 113**

Course Description

Uses of accounting data for managerial decision making. Topics include: cost behavior and accumulation for product costing; cost-volume-profit relationships; profit planning; segments; balanced scorecard; capital budgeting; Biotech/pharmaceutical industry value chain.

Managerial accounting emphasizes how accounting data is used internally within a company for planning operations, controlling activities, and making decisions. [This is in contrast to financial accounting, which focuses on providing information to parties outside of the organization.]

College of Business Program Learning Goals

Goal One: Business Knowledge

Understand basic business principles and demonstrate discipline-specific competencies as applied to local and global environments.

Goal Two: Communication

Communicate ideas clearly, logically, and persuasively in oral and written format, using technology appropriately.

Goal Three: Ethical Awareness

Recognize, analyze, and articulate solutions to ethical issues that arise in business.

Goal Four: Leadership, Teams and Diversity

Comprehend the challenges and opportunities of leading and working in diverse teams and environments.

Goal Five: Critical Thinking

Comprehend, analyze, and critically evaluate complex and unstructured qualitative and quantitative business problems, using appropriate tools and technology.

Goal Six: Innovation

Recognize, analyze, and articulate strategies for promoting creativity and innovation.

Course Learning Outcomes (CLO)

After completing this course students should be able to:

Identify the major differences between financial and managerial accounting

Understand/prepare a traditional income statement and contribution income statement

Perform a cost volume profit analysis under several common business situations

Understand how a Balanced Scorecard and Strategy Map is constructed and used

Prepare a Balanced Scorecard and Strategy Map for a biotech company

Understand and prepare budgets used in profit planning

Understand the concept of the time value of money and calculate net present value

Understand capital budgeting & methods: net present value, internal rate of return, payback

Perform analysis using several capital budgeting techniques

Using the published company 10K report, prepare an analysis of the company external value chain and a balanced scorecard and strategy map (with explanations) for the company.

Required Texts/Readings

Class Reader

The class reader will be available for purchase at the start of the first class for \$15

The class reader is mandatory.

Other equipment/material requirements

Students must bring a four function calculator to every class to do class exercises.

For any multiple choice exams; students must use Scantron Form 882-E (to be discussed)

Course Requirements and Assignments

SJSU classes are designed such that in order to be successful, it is expected that students will spend a minimum of forty-five hours for each unit of credit (normally three hours per unit per week), including preparing for class, participating in course activities, completing assignments, and so on. More details about student workload can be found in [University Policy S12-3](http://www.sjsu.edu/senate/docs/S12-3.pdf) at <http://www.sjsu.edu/senate/docs/S12-3.pdf>.

Grading Policy – Examinations and Grading

There will be five quizzes and a project. Quizzes may be curved at instructor discretion.

If applicable, formulas will be provided for reference during the quizzes.

The preliminary exam and paper grade weightings are below & may change with fair notice.

Grading - Quizzes, Project, and Homework Weighting		
Quiz 1	Quiz 1 Cost concepts, terms,	10
Quiz 2	Quiz 2 Cost Volume Profit Analysis	20
Quiz 3	Quiz 3 Strategy and Balanced Scorecard	15
Quiz 4	Quiz 4 Budgetary Planning	15
Quiz 5	Quiz 5 Capital Budgeting	20
Proj.	Strategy, Value Chain, Strategy Map & BSC Project	20
Total for Management Accounting		100

Grading – Per San Jose State University Grading Schedule

Grading is based on the following schedule.

Percentage	Grade
94% and above	A
93% - 90%	A-
89% - 87%	B+
86% - 84%	B
83% - 80%	B-
79% - 77%	C+
76% - 73%	C
72% - 70%	C-
69% - 67%	D+
66% - 63%	D
62% - 60%	D-
below 60%	F

%	Grade	%	Grade	%	Grade	%	Grade	%	Grade
		87-89	B+	77-79	C+	67-69	D+		
93-100	A	83-86	B	73-76	C	63-66	D	0-59	F
90-92	A-	80-82	B-	70-72	C-	60-62	D-		

Note: Passing grade for graduate classes in a B.

Value Chain and Balanced Scorecard Analysis project

Students will be grouped into teams and assigned a publicly traded pharmaceutical or biotech company and obtain a copy of their latest annual 10K report (either via web printout or requesting a copy from the company). Students will then analyze and prepare, according to a prescribed format,

a description of the company mission/strategy, external value chain, balanced scorecard, and strategy map.

Instructor Website

The instructor website will post the Green Sheet with the course syllabus.

Canvas

The school has adopted the Canvas software package for instructor and student use.

Canvas will post homework solutions, exam results, class student ID #s and other items.

Canvas will also have student exam results, report/project results, and final grades

Please log onto Canvas as soon as possible.

You can contact IT Support Services by phone at 924-2377 or by email at helpdesk@sjsu.edu

Homework

Homework should be completed after the class when assigned, but before the next class since the weekly quizzes will be based on the prior class materials and homework examples. Just reviewing the homework solutions made available without actually doing the assignment will generally negatively impact performance on the quizzes and exams and subsequently impact your success in this class.

If you have done the homework with the aid of the text, handouts, or solutions consider doing the same example again at a later time (in the day or next day) but without any aids. Repeat until you can solve problems independently. This will insure you have understood and internalized the concepts.

Classroom Protocol - CLASS WILL START PROMPTLY

Students should arrive promptly, turn off laptops, ipads, iphones & cell-phones to listen/participate.

Exams

All exams will be closed book and closed notes. If applicable, formulas will be provided.

There will be no external aids used for the exams (e.g., cell phones, translation dictionaries).

Exams will be returned for the student's review and then **must** be recollected. During the review no markings allowed on exams. A ZERO grade will be given if quiz/exam is not returned. Any questions on exam grading must be submitted the same day the exam is reviewed. Academic integrity violations of any kind on quizzes & exams will **not** be tolerated.

University Policies

Consent for Recording of Class and Public Sharing of Instructor Material

[University Policy S12-7](http://www.sjsu.edu/senate/docs/S12-7.pdf), <http://www.sjsu.edu/senate/docs/S12-7.pdf>, requires students to obtain instructor's permission to record the course and the following items to be included in the syllabus:

- “Common courtesy and professional behavior dictate that you notify someone when you are recording him/her. You must obtain the instructor’s permission to make audio or video recordings in this class. Such permission allows the recordings to be used for your private, study purposes only. The recordings are the intellectual property of the instructor; you have not been given any rights to reproduce or distribute the material.”
 - It is suggested that the greensheet include the instructor’s process for granting permission, whether in writing or orally and whether for the whole semester or on a class by class basis.
 - In classes where active participation of students or guests may be on the recording, permission of those students or guests should be obtained as well.
- “Course material developed by the instructor is the intellectual property of the instructor and cannot be shared publicly without his/her approval. You may not publicly share or upload instructor generated material for this course such as exam questions, lecture notes, or homework solutions without instructor consent.”

Academic integrity

Your commitment, as a student, to learning is evidenced by your enrollment at San Jose State University. The [University Academic Integrity Policy S07-2](http://www.sjsu.edu/senate/docs/S07-2.pdf) at <http://www.sjsu.edu/senate/docs/S07-2.pdf> requires you to be honest in all your academic course work. Faculty members are required to report all infractions to the office of Student Conduct and Ethical Development. The [Student Conduct and Ethical Development website](http://www.sjsu.edu/studentconduct/) is available at <http://www.sjsu.edu/studentconduct/>.

Campus Policy in Compliance with the American Disabilities Act

If you need course adaptations or accommodations because of a disability, or if you need to make special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. [Presidential Directive 97-03](http://www.sjsu.edu/president/docs/directives/PD_1997-03.pdf) at http://www.sjsu.edu/president/docs/directives/PD_1997-03.pdf requires that students with disabilities requesting accommodations must register with the [Accessible Education Center](http://www.sjsu.edu/aec) (AEC) at <http://www.sjsu.edu/aec> to establish a record of their disability.

Fall	2018	Biotech 202TC Management Accounting				
Date	Mtg.	Industrial Studies (IS) 113			Reader	Exam
Wed.	#	Wednesdays [6-10 P.M.]			Reader	Concept
	V1	Saturdays 8/25, 9/8, [9-12; 1-4 P.M.]			Section	Checks
		Topics discussed in class			Class	Examples
					[CC]	
8/22	1	Introduction and course administration				
Wed.		Financial Accounting Review			10	CC1-2
		Management Accounting - Introduction			100	CC1,2,3 1-10
		Cost Behavior & Analysis - Contribution Margin Income Statement			200	CC1, 3-6 1-5, 9
8/25	2	Quiz MA1 Cost concepts and terms			Quiz MA1	
Sat.		Cost Volume Profit Analysis			300	CC1-9 CVP1-8
		Project Team Formation - Tentative Companies				
		Financial Accounting Topics - additional review (if needed)				
8/29	3	Quiz MA2 Cost Volume Profit Analysis			Quiz MA2	
Wed.		Review Quiz MA1				
		Decentralization			1200	CC1,2
		Segment Reporting (performance measurement)			1210	CC1,2
		Return On Investment [ROI], Residual Income			1220	CC1,2 All
		Balanced Scorecard			1230	CC1-6 1-8
		Balanced Scorecard, Strategy Map Indiv/Team Problem - Handout				
		Strategy, External Value Chain, Internal Value Chain				
		Project Table of Contents, Page numbers, Topics			1800	
		Project Overview - Requirements, Guidelines, Dates, Questions			1810	
		Strategy, Ext. Value Chain, Balanced Scorecard, Strategy Map Proj.				
		Mission Statement			1820	
9/5	4	Quiz MA3 Strategy and Balanced Scorecard			Quiz MA3	
Wed.		Review Quiz MA2				
		Budgetary Planning - Retail			900	CC1-5 1-8, 10-12
		Budgetary Planning - Manufacturing - Reference			905	
		Unit Product Cost and Budgeting			910	CC1,2 910EP
		Budget examples (HR, Trials, Development)				
		Healthcare Stakeholders and Value Chains			1710	
		Healthcare Payer, Provider, Patient Interfaces			1720	-
		Sample Clinical Trial Budget			1740	
		Strategy/Balanced Scorecard Project status - Teams/companies				
		Project Overview - Requirements, Guidelines, Dates, Questions				
9/8	5	Quiz MA4 Budgets and Budgetary Planning			Quiz MA4	
Sat.		Review Quiz MA3				
		The concept of present value			1400	CC1,2,10
		Capital Budgets [NPV,IRR,Payback,Acctg ROR, Profit Index]			1410	CC1-7 CB1-8
9/12	6	Quiz MA5 Capital Budgeting			Quiz MA5	
Wed.		Review Quiz MA4				
		Team Project Submission (TBD)				
9/19	7	Review Quiz MA5				
Wed.		Differential Analysis				
		Accounting Summary - Financial/Managerial				
		Team Project Returned/Review (TBD)				
		Additional Class Deadlines				
TBD		Project Soft Copies due				
TBD		Project Hard Copy binder due				
TBD		Project Returned - to Sabine - instructor review optional				
		Reading Material and Text Reference				
Text		Purchase Class Reader in class on first day				
Reference Text		Managerial Accounting: Garrison, Noreen, Brewer 14th Ed				
		ISBN: 978-0-07-811100-6 Mhill - Available in SJSU Library				
		* Syllabus may be changed with reasonable notice				