NORTHWESTERN CONNECTICUT COMMUNITY COLLEGE

COURSE SYLLABUS

Course Title: Principles of Managerial Accounting   **Course:** ACC* 117   **Semester:** Spring 2018

Course Description: 3 credits

This course will be a combination of **cost determination** and **management analysis**. We will focus on traditional and contemporary modalities needed to support management's planning and expense control decisions. Topics include cost accounting systems, work flow processes and flow charting, control chart analysis, cost behavior relationships, forecasting, budgeting, variance analysis, capital expenditure decisions, analysis of financial statements, activity based and Balance Scorecard Accounting.

Pre-requisite/Co-requisite: This is an advanced level accounting course and core Business & Management program course. To be successful and to benefit from this course students should have successfully completed Principles of Financial Accounting, ACC* 113 with a grade of C or better. The completion of Principles of Management, BMG* 202 would be helpful as well.

Goals: To acquaint the student with managerial accounting modalities that are needed for formal internal financial reporting at all management levels.

Outcomes: Upon completion of this course, students should be able to:
1. Apply the Contribution Margin analysis method in making managerial financial decisions.
2. Prepare statistical comparisons for use in the strategic budgeting process.
3. Understand the systematic managerial reporting process.
4. Apply new accounting methodologies including the balanced score card, activity based costing, just in time inventory process, total quality management, talent investment returns, benchmarking, and economic value added.
5. Identify the major differences and similarities between financial and managerial accounting.
6. Apply the theory of constraints (bottlenecks).
7. Comprehend the importance of upholding ethical standards.
8. Categorize manufacturing costs into Direct Materials, Direct Labor, Manufacturing overhead and non-manufacturing costs.
9. Recognize the differences between product costs, period costs, variable costs, fixed costs, prime costs, conversion costs, inventorable costs, differential costs (incremental costs), opportunity costs and sunk cost.
10. Prepare a schedule of costs of goods manufactured.
11. Describe ISO 9000 standards.
12. Compare and contrast process costing & job-order costing systems.
13. Use T-accounts to show the flow of costs.
14. Apply overhead costs to work-in-process (WIP) using the predetermined overhead rate.
15. Compute underapplied or overapplied overhead costs and prepare the journal entries to close the balance in manufacturing overhead to the appropriate accounts.

16. Construct a process flow chart.
17. Prepare schedules of cost of goods manufactured and cost of goods sold.

18. Compute the equivalent units of production and cost per equivalent unit using the weighted-average method and FIFO method.
19. Allocate service department costs to operating departments using the direct method and step-down method.
20. Analyze mixed costs using the high-low method and least-squares regression method.
21. Use a scattergraph plot to diagnose cost behavior.
22. Prepare and interpret a cost volume-profit graph.
23. Construct a break-even point graph and compute the break-even point in unit sales and sales dollars.
24. Compute and explain the significance of the degree of operating leverage and margin of safety.
25. Prepare the budgets used in the profit planning process and analyze plan-to-actual variances.
26. Construct a statistical control chart and evaluate the results.
27. Create a segmented income statement using the contribution format and analyze the difference between traceable fixed costs and common fixed costs.
28. Compute return on investment (ROI) and interpret how changes in sales, expenses, and assets affect ROI.
29. Compute and analyze the variable manufacturing overhead spending and efficiency variances.
30. Compute and interpret delivery cycle time, throughput time, and manufacturing cycle efficiency (MCE).