





DLM Bootcamp: Essential Skills To Pass the ASCP Diplomate of Laboratory Management Exam - Session 9000

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Speaker Disclosure

In the past 12 months, I have not had a significant financial interest or other relationship with the manufacturer(s) of the product(s) or provider(s) of the service(s) that will be discussed in my presentation.





- The views and opinions expressed today are those of the presenter and do not reflect the official policy or position of the Department of the Air Force, Department of Defense, or the U.S. Government.
- I <u>have not</u> participated in the development of ASCP Board of Certification test questions.





Introduction/ Welcome





- Introduction
- Housekeeping
- Overview of What We Will Cover



A D'IT



What is DLM Certification?

- Diplomate in Laboratory Management,
- DLM(ASCP)
- Demonstrates Excellence in Laboratory
- Management
- Application Fee: \$390
- 6 Different Routes
- http://www.ascp.org/pdf/BOC PDFs/procedures/Examination-Procedures.aspx



DLM Routes





		Certification	Years Experience
Route	Degree	- MLS	Mgt Supervision
	Master's degree		
1	-mgt related	No	2 in last 10 years
2	Master's degree	Yes	2 in last 10 years
3	BS	Yes	4 in last 10 years
4	Doctorate	No	2 in last 10 years
5	BS - Business	No	4 in last 10 years
6	BS	No	5 in last 10 years



Reasons To Consider DLM Certification





- Demonstrate Professionalism
- Advancement Laboratory
- Increased Salary
- Advancement Outside Laboratory
- Job Security
- Qualify for Licensure As Supervisor







ASCP 2012 Vacancy Survey



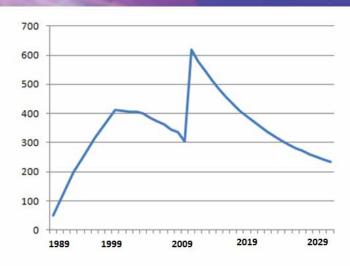
February 2013 issue of Lab Medicine



Estimated DLM Practicing







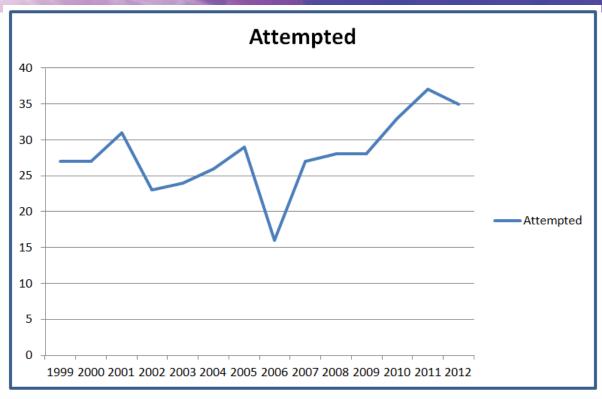
• Estimate that 7.5% of DLM will retire each year and 8 new DLM each year



Number Taking DLM Yearly







- -2009 328 NCA credentialed became DLM(ASCP)
- 1989 1999: 509 (~51/year) attained DLM(ASCP)
- Jan 2013 973 Certified

DLM - Experience Required





In Last 10 Years, Must Have Experience In 20 of 32 areas (hint, this is a great checklist to show employers!)



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DLM - Experience Required





Marketing Management (12%) - Consumer relations,
Managed care, Market research, Product development
Operations Management (29%) - Information
Technology, Facilities management, Data management,
Intra/Interdepartmental relations,
Licensure/accreditation, Performance improvement,
Productivity, Risk management/medical legal issues,
Safety



DLM - Experience Required





Personnel Management (26%)- Conflict resolution, Counseling/disciplinary action, Education and training/continuing education, Job descriptions, Motivation, Performance standards/evaluations, Personnel negotiations, Staffing/scheduling, Wage and salary administration





COMPETENCY STATEMENTS

Financial Management (33%)

- Develops proposal/justifications/other documents
- Calculates productivity
- Calculates costs (direct/indirect)
- Calculates profit margins
- Calculates financial ratios
- Analyzes effectiveness and efficiency
- Analyzes reports
- Analyzes productivity
- Evaluates data, needs, and usage of resources
- Monitors direct/indirect cost and/or cash flow



COMPETENCY STATEMENTS





Personnel Management (26%)

- Develops performance standards (formal/informal)
- Establishes relationships (internal/external)
- Evaluates personnel
- Evaluates problem situations
- Monitors staff behavior





COMPETENCY STATEMENTS

Operations Management (29%)

- Applies principles or theories of laboratory management
- Selects instruments (equipment) for the laboratory
- Selects systems for the laboratory
- Selects course of action
- Develops policies and procedures
- Develops goals and objectives
- Develops strategies and plans





COMPETENCY STATEMENTS

Operations Management (29%)

- Develops programs
- Establishes laboratory systems
- Establishes procedural course of action
- Analyzes sources of error
- Analyzes data and laboratory activities
- Evaluates sources of error
- Evaluates progress towards goals
- Implements strategies and proposals



COMPETENCY STATEMENTS





Marketing Management (12%)

Applies knowledge of market sectors

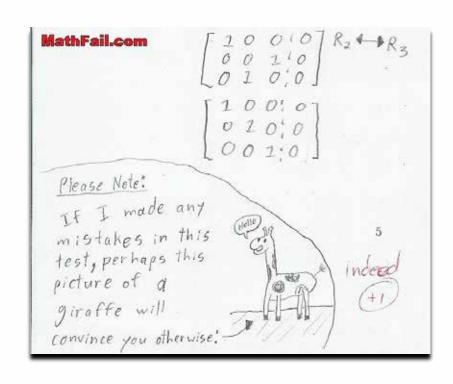
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What Happens If I Fail?







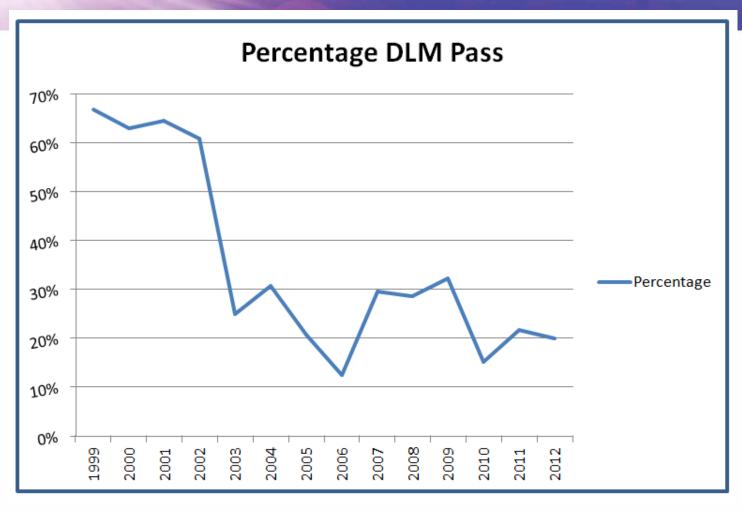




Percentage DLM Pass - Historical









Two Different Attitudes







Only 67 DLM(ASCP) in last 10 years...what a great opportunity!!!

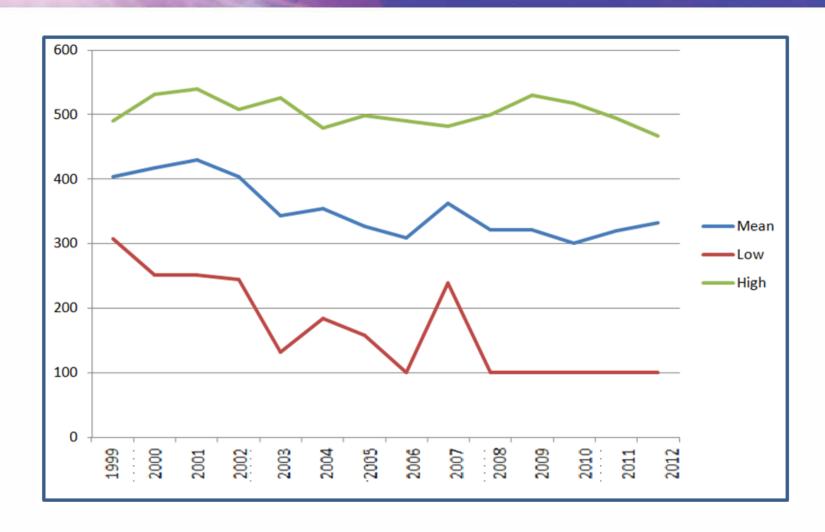
Only 67 DLM(ASCP) in last 10 years....I'll never pass this!



DLM Score Analysis







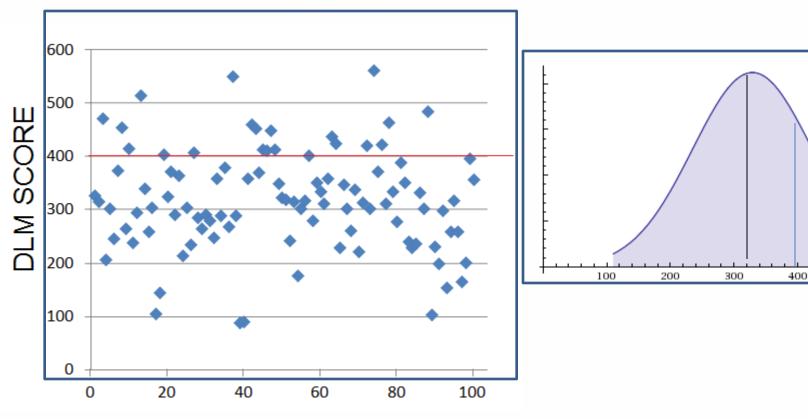


Simulation Based On Past 10 Years





500

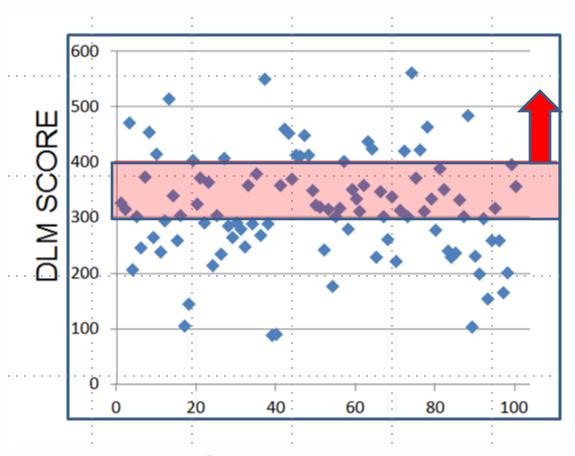


- Simulation of 100 DLM Candidates
- Based on Mean of 328 and SD of 94
- Numbers generated at Random.org
- 21 Passed in this simulation

Simulation







•Bump the 300-400 score range up to passing – now 60% pass rate

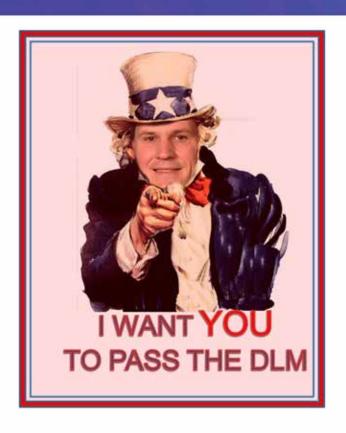


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- Need a Plan
- Honestly Evaluate Self
- No Self-Inflicted Wounds
 - Put in the Study Time
 - Utilize Resources
- Implement Strategy





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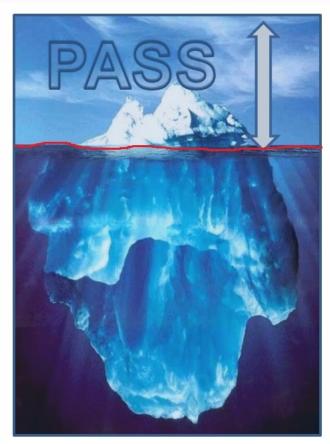


- <400 = Not Enough</p>
- >400 = Enough



100 400

999



400



SEPTEMBER 18-21 Mental CHICAGO Preparation





- Do Not View Content As Similar To MLS
- Accept That You Are Probably Weak In Several Areas
- ASCP Only Requires Experience in 20/32 Areas
- Identify Your Weak Areas Most Improvement Can Be Made Here
- Concentrate On What You Can Know (or can know), Not What You Don't Know



Things To Consider – Developing Strategy





- No Official ASCP Study Guide
- Are There Similar Tests?
- Resources For Weak Areas (targeted improvement)
- Test Strategies

Know The Test





- Two Hour & 30 Min
- 100 Questions (1.5 min per question)
- Computer Adaptive Testing (CAT)
- Each question in the test bank is calibrated for level of difficulty
- Your preliminary test results (pass/fail) will appear on the computer screen (hint)
- Non-programmable calculators are allowed



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No Official ASCP Study Guide





- ASCP Does Provide Extensive Reading List http://www.ascp.org/PDF/BOC-PDFs/Bibliography/ReadingListDLM.aspx
- 3 Journals, 7 General Texts, 14 Specialized Texts, 10 Online References
- BOC practice tests available for purchase
- http://www.ascp-practice.com
- BOC Study Guide (5th Edition) has >50
- pages on Laboratory Operations
- http://www.ascp.org/PDF/Publications-PDFs/5867.pdf
- Medical Laboratory Management and Supervision(1st Edition, 1996) has over 400 Study Questions



Are There Similar Tests?





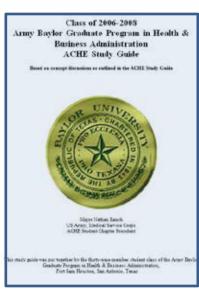
- ACHE Board of Governors Exam
- 31 of 32 Areas on DLM Are on This Exam
- Only Education & Training/Continuing Ed not Covered
- 18 Sample Questions
- http://www.ache.org/mbership/credentialing/EXAM/go vselftest.cfm
- BOG Reference Manual has some good descriptions <u>http://www.ache.org/mbership/credentialing/EXAM/BOG_exam_reference_manual.pdf</u>
- Review Course Available
- http://www.ache.org/seminars/special/index.cfm?meet
 =BOGER13B&nav=1&subnav=4

Are There Similar Tests?





- Army Baylor ACHE Study Guide
- 126 Comprehensive Review
- Search "Army Baylor" & ACHE
- AAMA Study Guide
- http://www.aameda.org/ProfAdvancement/docume nts/CAAMAStudyGuide2012.pdf
- Many examples on Internet of reviews/tests for specific classes



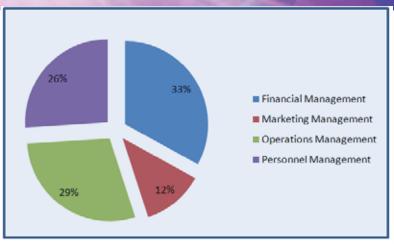


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What Do I Study?



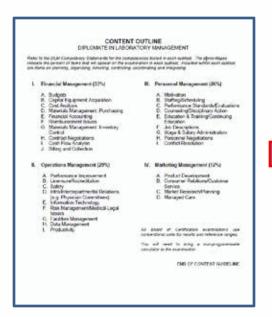




DLM Test Questions - % By Topic



DLM Content Outline - % Topics Sub Category



If Evenly
Distributed, ~3
Questions Per
Sub Category







Self Evaluation

	Experience	Self Rating (1-10)
Financial Management		
Billing and collection		
Budgets		
Capital equipment acquisition		
Cash flow analysis		
Contract negotiations		
Cost analysis		
Financial accounting		
Materials management: inventory control		
Materials management: purchasing		
Reimbursement issues		
Marketing Management		
Consumer relations		
Managed care		
Market research		
Product development		



Self Evaluation





	Experience	Self Rating (1-10)
Operations Management		
Data management		
Facilities management		
Information technology		
Intra/Interdepartmental relations		
Licensure/accreditation/regulatory		
Performance improvement		
Productivity		
Risk management/medical legal issues		
Safety		
Personnel Management		
Conflict resolution		
Counseling / disciplinary action		
Education and training/continuing ed		
Job descriptions		
Motivation		
Performance standards/evaluations		
Personnel negotiations		
Staffing/scheduling		
Wage and salary administration		



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Example Prioritization

	Experience	Self Rating (1-10)
Operations Management		
Data management	x	
Facilities management		9
Information technology		1
Intra/Interdepartmental relations	X	
Licensure/accreditation/regulatory	x	
Performance improvement		4
Productivity	x	
Risk management/medical legal issues		10
Safety		2
Personnel Management		
Conflict resolution	x	
Counseling / disciplinary action	x	
Education and training/continuing ed		7
Job descriptions	x	
Motivation		3
Performance standards/evaluations	x	
Personnel negotiations		1
Staffing/scheduling	x	
Wage and salary administration	X	

TOP 5 TO STUDY

- •Information Technology
- Personnel Negotiations
- Safety
- Motivation
- Performance Improvement

Test Strategies





- Many Websites That Give Great Advice For Multi-Choice Test Takers
 - http://www.uwec.edu/geography/ivogeler/multiple.htm
 - http://suite101.com/article/10-multiple-choicetest-taking-strategies-a254109
 - •https://www.excelsior.edu/web/student-onlinesuccess-guide/testing-strategies



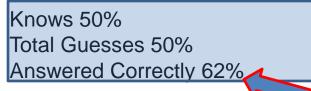
Test Strategies





- The Easy Questions Will Be Obvious
- For All Other Questions, Determine The Wrong Answer and Eliminate That
- Consider These Two Test Takers







Knows 50%
Eliminates 1 Responses 15%
Eliminates 2 Responses 15%
Total Guess 20%
Answered Correctly 68%



10 Useful Websites For Study





Joint Commission	www.jointcommission.org
Collage of American Pathologists	www.cap.org
American Soceity for Clinical Pathology	www.ascp.org
Clinical Laboratory Management Association	www.clma.org
American Pathology Foundation	www.apfconnect.org
Occupational Safety & Health Administration	www.osha.gov
Accreditation Association for Ambulatory Health Care	www.aaahc.org
COLA	www.cola.org
American College of Healthcare Executives	www.ache.org
Healthcare Finanical Management Assocation	www.hfma.org



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Good Place To Look





Pam Pohly's Net Guide <u>http://www.pohly.com/</u>

Website Index

Home

Directory of 1,000 Healthcare Recruiters

Health Administration Toolbox

Calendar of Health Observance Dates

Recommended Reading Lists & Healthcare Bookstore NEW!

Job Search Resources

Career & Interview Resources

Glossary of Managed Care Terms

Health Care Companies & Hospitals

Health & Medical Associations

Tools for Physician Executives

Tools for Finance Directors

Tools for Nursing Managers

Tools for Personnel Managers

Tools for Travoling Executives

You are here > Home > Toolbox for Health Administrators

Toolbox for Health Administration

This Guide provides 16 pages of articles, information and resources pertinent to health administrators and medical professionals. You will find information regarding legal issues, economics, legislation, industry news, regulations, practice management, hospital administration, compliance, salary surveys, business strategy, human resources, healthcare employment, managed care terminology and much more. Before exploring the pages below, which shall open in new windows, please go ahead and bookmark this site first. If you do, then you will be able to return back here effortlessly in the future. Add this Guide to your favorites.

- Companies & Hospitals healthcare companies, hospitals & HMOs
- . Compensation & Salary Surveys up-to-date salary surveys
- Executive & Health Administration for healthcare managers
- Financial Management for healthcare CFOs & business managers
- . Health Reform health care reform, policy, law, ethics
- . Hospital Associations hospital associations, by state & metro areas
- Human Resources for HR, staffing and personnel resources
- . Information Systems & Software technology, medical records, telehealth
- Legal, Governmental & Regulatory compliance & accreditation resources
- Medical & Clinical Sites patient education; consumer information
- . Mental Health Professionals behavioral health & psychiatric resources
- Nursing & Clinical Management for nurses, allied & clinical managers
- Physician Executives for doctor leaders, medical staff & practice managers
- . Professional Associations health & medical societies & organizations
- . Publications, Journals & News research, magazines & periodicals
- · Recommended Reading Lists reading lists & books, by healthcare discipline

Not locating exactly what you are looking for yet? Have you consulted our Home Page?

If you have not found what you are searching for yet, please feel free to use our search engine below. We have a large quantity of information located within this health administration website.



Unlike Other ASCP Exams, Not 100% Lab Specific





	GENERAL	HEALTHCARE	LAB SPECIFIC
Financial Management			
Billing and collection		HEALTHCARE	
Budgets	GENERAL		
Capital equipment acquisition	GENERAL		
Cash flow analysis	GENERAL		
Contract negotiations	GENERAL		
Cost analysis	GENERAL		
Financial accounting	GENERAL		
Materials management: inventory control		HEALTHCARE	
Materials management: purchasing	GENERAL		
Reimbursement issues		HEALTHCARE	
Marketing Management			
Consumer relations	GENERAL		
Managed care		HEALTHCARE	
Market research	GENERAL		
Product development	GENERAL		
Operations Management			
Data management		HEALTHCARE	
Facilities management		HEALTHCARE	
Information technology		HEALTHCARE	
Intra/Interdepartmental relations		HEALTHCARE	
Licensure/accreditation/regulatory			LAB SPECIFIC
Performance improvement	GENERAL		
Productivity		HEALTHCARE	
Risk management/medical legal issues		HEALTHCARE	
Safety			LAB SPECIFIC
Personnel Management			
Conflict resolution	GENERAL		
Counseling /disciplinary action	GENERAL		
Education and training/continuing ed		HEALTHCARE	
Job descriptions	GENERAL		
Motivation	GENERAL		
Performance standards/evaluations	GENERAL		
Personnel negotiations	GENERAL		
Staffing/scheduling	GENERAL		
Wage and salary administration	GENERAL		







Resources For Weak Areas







Billing and Collection



Budgets

















Cash flow analysis







Contract negotiations

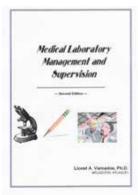






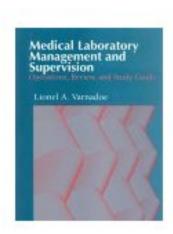
Cost analysis

- In last 10 years, pass rates not good.....
- Tremendous Opportunity, Supply and Demand!
- 953 have been certified since 1989 (~47/year)
- Study Guides Available
- Medical Laboratory Management and Supervision, 2nd Ed. (http://priorityed.com/)



- CLMA Body of Knowledge
- Lionel Varnadoe Medičal Laboratory Management and Supervision: Operations, Review, and Study Guide
- ASCP Recommended http://www.ascp.org/PDF/BOC-PDFs/Bibliography/ReadingListDLM.aspx
- Laboratory Management University
- ASCP MT Éxam
- Laboratory Problem Solver
- Joint Commission Accreditation Manual
- CAP Checklists
- Google Books Preview
- The CLMA guide to managing a clinical laboratory
- Anthony S. Kurec, Stanley Schofield, Marianne C. Watters Administration and supervision in laboratory medicine

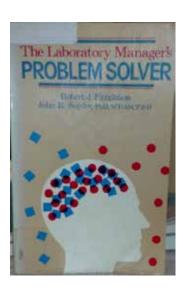
	Varnadoe - Operations, Review, & Study Guide
	CHAPTER
Financial Management	
Billing and collection	12
Budgets	15
Capital equipment acquisition	15
Cash flow analysis	12
Contract negotiations	4, 14,23
Cost analysis	12
Financial accounting	12
Materials management: inventory control	14
Materials management: purchasing	14
Reimbursement issues	12
Marketing Management	
Consumer relations	3,20,23
Managed care	23
Market research	23
Product development	23
Operations Management	
Data management	16
Facilities management	9,21
Information technology	16
Intra/Interdepartmental relations	3,20
Licensure/accreditation/regulatory	22
Performance improvement	20
Productivity	13
Risk management/medical legal issues	20
Safety	19
Personnel Management	
Conflict resolution	11
Counseling /disciplinary action	3,10,20
Education and training/continuing ed	11
Job descriptions	9
Motivation	6,7
Performance standards/evaluations	9,10
Personnel negotiations	11
Staffing/scheduling	9,18
Wage and salary administration	13



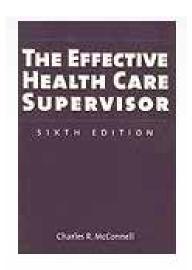
Used online price - ~\$20

- Michael Nowicki Financial Management of Hospitals and Healthcare Organizations
- 2001 Edition, great examples of basic accounting and simple problems (i.e. breakeven analysis)
- Can be found on internet for \$0.75 plus shipping.

- Dated, Topics Still Relevant
- Good Book To Get Juices
- Flowing
- Can Be Bought For Under \$4
- Many Other Similar Examples
- You Don't Need To Spend A
 Fortune On Areas That Don't
 Change Much (e.g. Motivation)



- The Effective Health Care Supervisor by Charles R. McConnell - 6th Edition
- Good Overview of Many Topics on DLM Exam
- Can Be Purchased for <\$1



- Developed by COLA
- Specific Courses That May Be Beneficial
- OSHA and Lab Safety Course
- Continual Improvement
- Information Management
- Customer Focus
- http://www.labuniversity.org/

- Certificate program 25 Online Courses
- Leadership, Personnel Management, Operations, Financial Management, Informatics, Compliance
- \$599 Fee
- Collaboration Between APF and ASCP
- Study groups for DLM Certification
- Resources designed to reinforce learning
- 3 Years to Complete Program
- http://www.ascp.org/Functional-Nav/Lab-Management-University.html#

- Certificate/graduate programs
 - CLS Programs
 - Business Programs
- Online Coursework
 - Free Open Courseware
 - Example MIT offers free financial accounting course

http://ocw.mit.edu/courses/sloan-school-ofmanagement/15-511-financial-accounting-summer-2004/

