

Departmental Course Syllabus

Business Department * Academic Instruction Center Suite 325 **Revision:** Spring 2009
San Antonio College * 1300 San Pedro Avenue * San Antonio, TX 78212-4299

Course Number and Title: LMGT 1321 – Introduction to Materials Handling

Credit Hours: 3

Instructor: Varies

Office: Varies

Phone Number: (210) 486-1414 **Fax:** (210) 486-1503

E-mail: Varies

Web Address: <http://www.accd.edu/sac/business>

Office Hours: To be posted by the individual instructor.

I. Catalog Description:

This course introduces the concepts and principles of materials management to include inventory control, scheduling, and forecasting activities.

II. Pre-requisites, co-requisites and other requirements:

(Formerly BMGT 1321) BMGT 1331

III. Text and/or Other Requirements:

Purchasing and Supply Management, 12th edition, Leenders, Fearon, Flynn, Johnson.

IV. Method of Instruction:

- A. Lecture
- B. Videos
- C. Group Discussions

V. Course Content:

The student will describe the important issues relating to materials management, including the financial impact of the purchasing function on the total expenses of the business, and discuss the objectives of pricing determination, supplier selection, and Supply Chain Management.

VI. Learning Outcomes:

Learning Outcome 1: The student will be able to explain the various topic terms and how they relate to the overall concept of materials management.

Performance Objectives/Methods of Measurement for this outcome:

The student will be able to:

1. Define on a written examination material handling principles.
2. Understand the methodologies of developing efficient layouts for various production/service systems with a focus on modern plant layout and material handling practices. This will be assessed through a written examination, case work, or projects.

3. Understand how to integrate current topics such as supply chain management, JIT, agile manufacturing, automated systems, industrial ergonomics and quality into facilities planning. This will be assessed through case work, projects, or/and a written examination.

Learning Outcome 2: The student will be able to apply forecasting techniques related to inventory control.

Performance Objectives/Methods of Measurement for this outcome:

The student will be able to:

1. Apply planning models and tools, such as capacity planning, master production schedule (MPS), materials requirements plan and just in time (JIT) or Kanban system on assigned projects.
2. Apply capacity planning activities such as estimating aggregate demand, forecasting resource requirements, demand management, case demand planning, and level capacity planning on assigned projects.

Learning Outcome 3: The student will be able to interpret the principles of materials handling as it relates to time, form, and place utility.

Performance Objectives/Methods of Measurement for this outcome:

The student will be able to:

1. Interpret quantitative models, such as, layout model, waiting line, AS/RS, and simulation model. This will be assessed through assigned projects and a written examination.
2. Interpret the systematic layout planning approach and cost estimate to solve practical facility layout problems. This will be assessed through assigned projects and a written examination.

SCANS:

The following SCANS skills will be taught in this course: acquires and evaluates information (C5), and interprets and communicates information (C7). Foundation skills included are: reading (F1), mathematics (F4), listening (F5), speaking (F6), problem solving (F9), seeing things in the mind's eye (F10), knowing how to learn (F11), reasoning (F12), responsibility (F13), self-esteem (F14), sociability (F15), self-management (F16), and integrity/honesty (F17).

VII: Course requirements and grade computation:

A. College Requirements:

1. A written comprehensive final examination, not to exceed three hours in length, shall be given at the end of each semester for each course at the regularly scheduled time. Any exceptions to these requirements must be approved by the appropriate dean. Other examinations are given at the discretion of the instructor.

A student who must be absent from a final examination should petition that instructor for permission to post pone the examination. A student absent without permission from a final examination is graded “F”. Postponed examination result in a grade of “I”. The final exam must be taken within 120 calendar days from the end of the semester or the grade automatically becomes an “F”. (San Antonio College Bulletin, Faculty Handbook – January 1995)

B. Departmental Requirement:

Workload: Students are responsible for reading and studying each chapter PRIOR TO class lecture and discussion of the chapter. **THIS IS VERY CRITICAL.** Your success in this class is dependent upon your continued commitment to maintaining a daily study time outside the classroom. You must stay current.

C. Instructor Requirements:

Grading Scale:

A	=	90	-	100
B	=	80	-	89
C	=	70	-	79
D	=	60	-	69
F	=	Below 60		

VIII: College Policies:

- A. San Antonio College does not discriminate on the basis of race, religion, color, national origin, sex, age, or disability with respect to access, employment programs or services.
- B. “Students are urged not to bring children to either a class or a lab. Minors under the age of twelve (12) must not be left unattended on campus.” College Academic Council – April, 1998
- C. ADA Statement: “As per Section 504 of the Vocational Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, if

accommodation is needed contact the Office of DisABILITY Support Services, CAC 124C, Phone: (210) 733-2347”

- D. A Rapid Response Team exists for the purpose of responding to emergencies. If you have a disability that will require assistance in the event of a building evacuation, notify Disability Support Services, Chance Academic Center 124C, Phone: (210) 733-2347.
- E. Academic Dishonesty: Students may be subject to disciplinary proceedings resulting in an academic penalty or disciplinary penalty for academic dishonesty. Academic Dishonesty includes, but is not limited to cheating on a text, plagiarism and collusion. For additional information refer to the “Student Code of Conduct”: in the San Antonio College Bulletin.
- F. Students are required to silence all electronic devices (e.g., pagers, cellular phones, etc.) when in classrooms, laboratories and the library. College Academic Council, 01/2000.
- G. San Antonio College Attendance Policy: Regular and punctual attendance is required. A student absent for any reason is responsible for all work missed. Absences are recorded from the first day of class. A student absent the equivalent of two weeks of instruction, may be dropped by the instructor with a grade of “W.” Both tardiness and early departure from class are forms of absenteeism. The instructor establishes the policy with regard for each.
- H. San Antonio College is a smoke free campus.
- I. ACCD DPS Emergency Phone Numbers:
 - ACCD DPS Emergency Phone (210) 222-0911
 - ACCD DPS General Phone (210) 208-8099
 - ACCD DPS Weather Phone (210) 208-8189 – (For information on college closures)
- J. Students must also abide by the policies, procedures, and rules set forth in the “Student Code of Conduct” and all other policies set forth in the San Antonio College Bulletin.
www.accd.edu/sac/sacmain/schedule/SAC_Bulletin_05-06.pdf

IX. Miscellaneous Information

1. Retention Period For Student Work, Exams, etc:

Student papers and exams will be retained for one semester after the completion of the course.

2. Business Department

For degree plans, general syllabi outlines, and other information on your current course and faculty, please visit the Business Department website at: <http://www.accd.edu/sac/business> or contact us at (210) 733-2700.

3. Business Computer Lab

The Business Computer Lab is a student lab that is open to any Business Department student majoring in any of the departments programs and/or taking any department course. For more information, please contact the BCL at (210) 785-6058 or visit us on the web at <http://www.accd.edu/sac/business/lab>.