

**IE 5334 Spring 2016**  
**Section 001-002: TR 11:00AM – 12:20PM Room NH 110**  
**Section 004 : TR 12:30PM – 01:50PM Room NH 110**

Instructor: Dr. Maysaa Hamdan. Phone: (Woolf Hall) 817-272-3092  
Office: 420P, Woolf Hall Email: [maysaam.hamdan@uta.edu](mailto:maysaam.hamdan@uta.edu)  
Office Hours: TR 5:00 -6:00PM (other times by appointment as requested)

Teaching Assistants:

Madhur Kalgutkar Email : [madhurmohan.kalgutkar@mavs.uta.edu](mailto:madhurmohan.kalgutkar@mavs.uta.edu) Office Hours:TR 4- 5:30PM  
Ketan Namjoshi Email : [ketan.namjoshi@mavs.uta.edu](mailto:ketan.namjoshi@mavs.uta.edu) Office Hours:TR 11-12:30PM

**Required Texts:** World Class Warehousing and Material Handling by Frazelle. McGraw-Hill, 2002

Reference: Facilities Planning. Tompkins, White, et.al. John Wiley, 4<sup>th</sup> edition, 2010.

**Course Description:** 5334. LOGISTICS DISTRIBUTION SYSTEMS DESIGN (3-0). The design and analysis of distribution systems of people, processes and technology. The focus is on distribution, warehousing, and material handling. Topics include the role of the warehouse in the extended enterprise, warehouse planning, process design, layout, equipment selection, workforce & workplace issues, and performance measures. Prerequisites: IE 3301, 5301 or concurrent enrollment, and 5329 or concurrent enrollment or equivalent.

**Course Learning Outcomes:** This course is designed for the student already knowledgeable of basic queuing theory, inventory control, and probability models. By the end of the course, the student will be able to analyze and evaluate the underlying behavior of logistics warehouse/distribution systems using a systematic approach.

**Tentative Course Outline / Specific Areas of Study Planned:**

- Introduction to Logistics & Supply Chain Design Issues / Why Have a Warehouse?
- Distribution Center Material Handling Systems Master Planning and Layout Design and Analysis
- Warehouse/Distribution Center Activity Profiling
- Warehouse Management Systems
- Warehouse Operations Innovation Including Workforce Issues
- Performance Metrics, Benchmarking, Demand Chain Integration, etc.

**General Policies/Guidelines:**

- ◆ If you require an accommodation based on disability, I would like to meet with you in the privacy of my office, during the first week of the semester, to make sure you are appropriately accommodated.
- ◆ Part of the course grade will be based on a term project (with oral presentation) in a relevant area of mutual interest to instructor and student. We will explore specific topics early in the semester to allow sufficient time for proper research and project preparation.
- ◆ If you miss a test with an approved excuse (e.g. from a doctor stating you are too ill to sit for the test), you may take a comprehensive final as a makeup.
- ◆ Regular attendance are required
- ◆ **Course Evaluation & Final Grade:** Grades are based on performance. No curves planned.
  - ◆ Course grade will be comprised of performance on exams, homework, quizzes, and projects.

Exams	75%
Quizzes	10%
Project	15%
  - ◆ Performance standard: D ≥ 60%, C ≥ 70%, B ≥ 80%, A ≥ 90%

**Key Dates:**

03/01 (35%) Midterm Exam, Chapters 1-7  
05/05 (40%) Final Exam , Chapters 8-12

**Drop Policy:** Students may drop or swap (adding and dropping a class concurrently) classes through self-service in MyMav from the beginning of the registration period through the late registration period. After the late registration period, students must see their academic advisor to drop a class or withdraw. Undeclared students must see an advisor in the University Advising Center. Drops can continue through a point two-thirds of the way through the term or session. It is the student's responsibility to officially withdraw if they do not plan to attend after registering.

**Students will not be automatically dropped for non-attendance.** Repayment of certain types of financial aid administered through the University may be required as the result of dropping classes or withdrawing. Contact the Financial Aid Office for more information.

**Americans with Disabilities Act:** The University of Texas at Arlington is on record as being committed to both the spirit and letter of all federal equal opportunity legislation, including the *Americans with Disabilities Act (ADA)*. All instructors at UT Arlington are required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of that disability. Any student requiring an accommodation for this course must provide the instructor with official documentation in the form of a letter certified by the staff in the Office for Students with Disabilities, University Hall 102. Only those students who have officially documented a need for an accommodation will have their request honored. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at [www.uta.edu/disability](http://www.uta.edu/disability) or by calling the Office for Students with Disabilities at (817) 272-3364.

**Academic Integrity:** It is the philosophy of The University of Texas at Arlington that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline may include suspension or expulsion from the University. According to the UT System Regents' Rule 50101, §2.2, "Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts."

**Student Support Services Available:** The University of Texas at Arlington has established a variety of programs to help students meet the challenges of college life. Support to students includes advising, counseling, mentoring, tutoring, supplemental instruction, and writing assistance. For a complete list of academic support services, visit the Academic Assistance resource page of the Office of Student Success Programs, [www.uta.edu/uac/studentsuccess/academic-assistance](http://www.uta.edu/uac/studentsuccess/academic-assistance). To help students address personal, academic and career concerns, individual counseling is also available. For more information, students are encouraged to contact Counseling Services [www.counseling.uta.edu](http://www.counseling.uta.edu) at (817) 272-3671 or visit a counselor in 216 Davis Hall.

**Electronic Communication Policy:** The University of Texas at Arlington has adopted the University "MavMail" address as the sole official means of communication with students. MavMail is used to remind students of important deadlines, advertise events and activities, and permit the University to conduct official transactions exclusively by electronic means. For example, important information concerning registration, financial aid, payment of bills, and graduation are now sent to students through the MavMail system. All students are assigned a MavMail account.

**Students are responsible for checking their MavMail regularly.** Information about activating and using MavMail is available at <http://www.uta.edu/oit/email/>. There is no additional charge to students for using this account, and it remains active even after they graduate from UT Arlington.

**Distance Education Policies:** The Industrial & Manufacturing Systems Engineering Department offers most graduate IE courses on-line through streaming-video and Blackboard. This allows graduate students in the IE Program who are enrolled off-campus or part-time to access their classes at their convenience. Log on using your netID and password at <http://elearn.uta.edu> for access to class notes and assignments. A distance student is defined as a student enrolled in the distance section (typically "002" or "003") of an IE course. Please visit the IMSE website [http://www.uta.edu/ie/distance\\_education\\_policy.html](http://www.uta.edu/ie/distance_education_policy.html) for details. Pay special attention to Policy #2:

**Distance students are required to communicate with the faculty before the second class period.** This "first contact" helps insure that the distance student is not left behind at the beginning of the semester.

**I look forward to hearing from all distance students via email soon.**