**IE 5320 Enterprise Engineering**

**Spring, 2018**

**MW 1:00 – 2:20**

**Room 404 WH**

Instructor: Dr. Donald H. Liles

Office: 325H Woolf Hall

Office Hours: 2:30-3:50 pm MW and by appointment

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Required Textbook(s): SADT

Course Description: Design, analysis, and modeling of enterprises. Topics include enterprise architectures, structured system modeling methods, enterprise integration, and enterprise transformation.

Course Learning Outcomes: the student can use the basic concepts and tools of enterprise engineering.

Attendance and Drop Policy: I do not take attendance. However, you are responsible for the material presented in class when you are absent. You may drop this course through the University published last day to drop.

Specific Course Requirements w/Descriptions:

* Daily “pop” Quizzes plus Homework: 10-12 “countable” assignments.
* Examinations: Two exams with No final (Exams: MARCH 5th AND MAY 7th )
* Major Assignments: Semester projects including the Key assignment (Due May 2nd.)
* Missed Exams: There is a single comprehensive make-up exam at the end of the semester.
* Missed Daily Quizzes/Homework: No make-up for daily work. One or two daily grades will be dropped.

Course Evaluation & Final Grade:

* Two exams counting 50% (25% each) of the total grade
* Semester projects counting 30% of the total grade
* 10-12 daily quizzes or homework assignments counting 20% of the total grade

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 properly accommodated.

***ANY CHEATING WILL RESULT IN SEVERE PENALTIES.***

**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. For more information, contact the Office of Financial Aid and Scholarships (<http://wweb.uta.edu/aao/fao/>).

**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.

**Title IX:** The University of Texas at Arlington is committed to upholding U.S. Federal Law “Title IX” such that no member of the UT Arlington community shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity. For more information, visit [www.uta.edu/titleIX](http://www.uta.edu/titleIX).

**Academic Integrity:** Students enrolled in this course are expected to adhere to the UT Arlington Honor Code:

*I pledge, on my honor, to uphold UT Arlington’s tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.*

*I promise that I will submit only work that I personally create or contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.*

UT Arlington faculty members may employ the Honor Code as they see fit in their courses, including (but not limited to) having students acknowledge the honor code as part of an examination or requiring students to incorporate the honor code into any work submitted. Per UT System *Regents’ Rule* 50101, §2.2, suspected violations of university’s standards for academic integrity (including the Honor Code) will be referred to the Office of Student Conduct. Violators will be disciplined in accordance with University policy, which may result in the student’s suspension or expulsion from the University.

**Student Support Services**:UT Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. Resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals, students may visit the reception desk at University College (Ransom Hall), call the Maverick Resource Hotline at 817-272-6107, send a message to [resources@uta.edu](mailto:resources@uta.edu), or view the information at [www.uta.edu/resources](http://www.uta.edu/resources).

**Electronic Communication:** UT Arlington has adopted MavMail as its official means to communicate with students about important deadlines and events, as well as to transact university-related business regarding financial aid, tuition, grades, graduation, etc. All students are assigned a MavMail account and are responsible for checking the inbox regularly. There is no additional charge to students for using this account, which remains active even after graduation. Information about activating and using MavMail is available at <http://www.uta.edu/oit/cs/email/mavmail.php>.

**Student Feedback Survey:** At the end of each term, students enrolled in classes categorized as “lecture,” “seminar,” or “laboratory” shall be directed to complete an online Student Feedback Survey (SFS). Instructions on how to access the SFS for this course will be sent directly to each student through MavMail approximately 10 days before the end of the term. Each student’s feedback enters the SFS database anonymously and is aggregated with that of other students enrolled in the course. UT Arlington’s effort to solicit, gather, tabulate, and publish student feedback is required by state law; students are strongly urged to participate. For more information, visit <http://www.uta.edu/sfs>.

**Final Review Week:** A period of five class days prior to the first day of final examinations in the long sessions shall be designated as Final Review Week. The purpose of this week is to allow students sufficient time to prepare for final examinations. During this week, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during or following this week *unless specified in the class syllabus*. During Final Review Week, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during Final Review Week. During this week, classes are held as scheduled. In addition, instructors are not required to limit content to topics that have been previously covered; they may introduce new concepts as appropriate.

**Emergency Exit Procedures:** Should we experience an emergency event that requires us to vacate the building, students should exit the room and move toward the stairs, which is located to your immediate right as you leave the room. When exiting the building during an emergency, one should never take an elevator but should use the stairwells. Faculty members and instructional staff will assist students in selecting the safest route for evacuation and will make arrangements to assist handicapped individuals.

# Copyright

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Semester Schedule: I reserve the right to make changes to the daily schedule. The exams and project dates should not change.

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| Date | Activity |
| Jan 17 | Discussion of syllabus and semester schedule. Enterprise Engineering handout |
| Jan 22 | Introduction to Enterprise Engineering |
| Jan 24 | Introduction to Enterprise Engineering |
| Jan 29 | Process Documentation |
| Jan 31 | How to read SADT (activity) models. (.doc) handout |
| Feb 5 | SADT Part 1, Plus Enterprise Activity Reference Models. |
| Feb 7 | SADT Part 1, Plus Enterprise Architectures |
| Feb 12 | SADT Part 2, Plus Enterprise Transformation |
| Feb 14 | SADT Part 2, Plus Enterprise Transformation |
| Feb 19 | SADT Part 3, Plus iGrafx Software |
| Feb 21 | SADT Part 3, Plus Performance Management methodology |
| Feb 26 | SADT Part 4, Plus Performance Management methodology |
| Feb 28 | SADT Part 4, Plus Topics, Review |
| Mar 5 | Exam I |
| Mar 7 | SADT Part 5 |
| Mar 12 | Spring Break |
| Mar 16 | Spring Break |
| Mar 19 | Discuss the Semester Project and Key Assignment (Select an Enterprise) |
| Mar 21 | Workshops 1-7, Start model and develop revised top level diagram (Group Work) |
| Mar 26 | Workshops 8-10, Develop and exchange group kit (Group Work) |
| Mar 28 | Workshops 11, Develop and exchange group comments (Group Work) |
| Apr 2 | Workshops 12-14, Develop group reactions and revisions (Group Work) |
| Apr 4 | Work Session |
| Apr 9 | Workshops 15-17, Develop and exchange individual kit (Individual Work) |
| Apr 11 | Workshops 18, Develop and exchange individual comments (Individual Work) |
| Apr 16 | Workshops 19-21, Develop individual reactions and revisions (Individual Work) |
| Apr 18 | Work Session, Review requirements for the Key Assignments (Separate doc)  oc) |
| Apr 23 | Workshops 22-24, Develop Annotations |
| Apr 25 | Workshops 25, Develop “Specification” (ie Final Model), (Group Work) |
| Apr 30 | Work Session |
| May 2 | Review, Semester Projects and Key Assignments Due |
| May 7 | Exam II GRAD |