**Fall 2012 Technology Deployment**

**Name:** John W. Priest Ph.D. P.E.

**Office Number:** 404 Woolf Hall

**Office Telephone Number:** 817-272-3092

**Email Address:** jpriest@uta.edu

**Office Hours: Monday** 1-3 Tuesday/Thursday 1-3:30. email if you have any questions or want to schedule a meeting

**Course Number, Section Number, and Course Title: IE 5346 section 001**

**Time and Place of Class Meetings: TTH 5:30 404WH**

**Description of Course Content:**

Review of management issues in developing and implementing new technologies and methodologies into an organization. Topics include technology deployment, management of technology based projects, technological competitiveness, technology alliances, and collaboration.

IE 433

**Learning outcomes**

1. Students will demonstrate an understanding of the terminology, acronyms and concepts of technology deployment and change management.
2. For this area of knowledge, the objectives include

(i) Recognition of the need for, and an ability to engage in life-long learning

(j) Knowledge of contemporary issues (current, modern)

(k) Ability to use the techniques, skills, & modern engineering tools necessary for engineering practice

Why this is important

* Need to know terminology and the process of product development and roles that other disciplines play
* Product development and manufacturing is changing rapidly
* Applicable to any size industry and beyond just manufacturing i.e. service, logistics, small businesses, health care, government, etc..

Major topics are:

* Issues in deploying/implementing new innovative technologies and methodologies into an organization from different viewpoints
* Developing technology strategies and plans
* Change management of incremental and disruptive technologies
* Disruptive technology
* Intellectual property
* Innovation and entrepreneurship
* Six sigma
* Benchmarking and competitiveness analysis

**Required textbook and equipment**

* Reality Check, Guy Kawasaki,  Penguin books, isbn , 978-1- 59184-223-1 – can be hardcover, paperback or electronic (can share the book)
* world changers: entrepreneurs who changed business,   john Byrne – can be hardcover, paperback or electronic (can share the book)

**Grading**: Students are expected to keep track of their performance throughout the semester and seek guidance from available sources (including the instructor) if their performance drops below satisfactory levels.

#  Final Grade Calculation

Computations of the final average will almost always vary from the original syllabus. Final grades will depend on the above stated formulas as modified during the course including any pop/surprise quizzes and whether the final is comprehensive. Right now, no decision has been made on using clickers

# Comprehensive Final

# Depending on the progress in the class, a comprehensive final may be given. Students will be notified prior to taking the actual final.

## No Whine Policy Concerning Test and Final Grades

*Tests will always be returned and reviewed in the next class period. Discussion of the test and test questions is limited to this class. All requests for a regrade or questions concerning grading of a person’s individual test must be submitted in writing before the start of the next class period. The student must state what question is to be reviewed and why more credit should be given. This can be written on the test or on a separate sheet of paper.*

*An individual’s test questions are not answered, reviewed or regraded while the student is in my presence.*

Special final grade requirements:

*Any special final grade requirements must be provided by e-mail to me in the first 2 weeks of the class to be considered in final grade considerations. (E.g. graduating senior, probation, must have a c grade to graduate or stay in school, I work full time, scholarship requirements etc.).*

Pop or Surprise Quizzes

When attendance is low, pop or surprise quizzes will be given in class to encourage attendance from all students. The value or credit for the quiz will vary. These quizzes may only be a signup sheet.

**Make-up Exams**: Excused Absences for Exams

The only acceptable excuses for missing exams/quizzes or project due dates is a signed medical doctor's note that specifically states that you are unable to attend the exam/quiz/project, a traffic report showing that you were in a wreck, death in family etc. Not arriving for the first few classes due to travel schedules is not an excused absence.

**Expectations for Out-of-Class Study**: Beyond the time required to attend each class meeting, students enrolled in this course should expect to spend at least an additional ## hours per week of their own time in course-related activities, including reading required materials, completing assignments, preparing for exams, etc.

**Grade Grievances**: Any appeal of a grade in this course must follow the procedures and deadlines for grade-related grievances as published in the current undergraduate / graduate catalog. For undergraduate courses, see <http://wweb.uta.edu/catalog/content/general/academic_regulations.aspx#10>; for graduate courses, see <http://www.uta.edu/gradcatalog/2012/general/regulations/#grades>.]

**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/ses/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.

**Academic Integrity:** All 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.*

Instructors 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.

*Copying any written or web based materials for a project without proper referencing will not be tolerated.*

*Xerox copies of the book that infringe on copyright laws will not be allowed in class.*

Copyright Information:Copyright 2012 J.W. Priest as to this syllabus and all lectures and handouts unless specified otherwise. Students are prohibited from selling (or being paid for taking) notes during this course to (or by) any person or commercial firm without the express permission of the professor teaching this course

**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, or view the information at [www.uta.edu/resources](http://www.uta.edu/resources).

**Lab Safety Training: Students registered for this course must complete all required lab safety training prior to entering the lab and undertaking any activities.** Once completed, Lab Safety Training is valid for the remainder of the same academic year (i.e., through the following August) and must be completed anew in subsequent years. There are no exceptions to this University policy. Failure to complete the required training will preclude participation in any lab activities, including those for which a grade is assigned.

**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 a 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.

**Librarian to Contact:** Nedderman Basement

**Course Schedule.**

“*As the instructor for this course, I reserve the right to adjust this schedule in any way that serves the educational needs of the students enrolled in this course..”* Should you find such adjustments prudent, please do your best to advise students in a timely manner. (The definition of “timely” is left to the discretion of each instructor.)

please be sure to double-check the relevant information published by the Office of [Records and Registration](http://wweb.uta.edu/ses/recordsandregistration/). Particularly useful are the pages for [Faculty and Staff Services](http://wweb.uta.edu/ses/recordsandregistration/content/faculty_staff/default.aspx) and for the [Academic Calendar](http://www.uta.edu/uta/acadcal.php).

**Grade Grievances**: Any appeal of a grade in this course must follow the procedures and deadlines for grade-related grievances as published in the current undergraduate / graduate catalog For undergraduate courses, <http://wweb.uta.edu/catalog/content/general/academic_regulations.aspx#10>; for graduate courses, see <http://www.uta.edu/gradcatalog/2012/general/regulations/#grades>.]

**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/ses/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.

**Academic Integrity:**  At UT Arlington, academic dishonesty is completely unacceptable and will not be tolerated in any form, including (but 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” (UT System Regents’ Rule 50101, §2.2). Suspected violations of academic integrity standards 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 contact the Maverick Resource Hotline by calling 817-272-6107, sending a message to resources@uta.edu, or visiting [www.uta.edu/resources](http://www.uta.edu/resources).

**Lab Safety Training: Students registered for this course must complete all required lab safety training prior to entering the lab and undertaking any activities.** Once completed, Lab Safety Training is valid for the remainder of the same academic year (i.e., through the following August) and must be completed anew in subsequent years. There are no exceptions to this University policy. Failure to complete the required training will preclude participation in any lab activities, including those for which a grade is assigned.

**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 will be asked to complete an online Student Feedback Survey (SFS) about the course and how it was taught. Instructions on how to access the SFS system will be sent directly to students through MavMail approximately 10 days before the end of the term. UT Arlington’s effort to solicit, gather, tabulate, and publish student feedback data is required by state law; student participation in the SFS program is voluntary.

**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.

**Librarian to Contact:** Nedderman Hall Basement

**Grades:**

Grades will be based on tests and projects

**Attendance:**

Attendance starts from the first day of class regardless of the circumstances. Late registration, just arriving from overseas, visa problems, graduate school, staying in your country for medical/dental/wedding/birthday issues or any other circumstances does not change the attendance policy. Attendance will effect your grade. This does not include approved absences.

Distance Student

# Distance students may have different projects/homework/test assignments with different schedules.

* DFW distance students must take tests on campus or have an approved proctor.

# Grading: Final Grade Calculation

I expect that we will have 2 tests on lectures and power point handouts (25% each), 2 presentation projects (25% each) with discussion participation. Class presentations are required including distance students. Distance students can come to class to present, present at a scheduled time or video/filmed.

Computations of the final average will almost always vary from the original syllabus. Final grades will depend on the above stated formulas as modified during the course including any pop/surprise quizzes and whether the final is comprehensive. Right now the clicker quizzes will be 50 % and the 2 tests will be 50%

**Comprehensive Final**

# Depending on the progress in the class, a comprehensive final may be given. Students will be notified prior to taking the actual final.

## No Whine Policy Concerning Test and Final Grades

*Tests will always be returned and reviewed in the next class period. Discussion of the test and test questions is limited to this class. All requests for a regrade or questions concerning grading of a person’s individual test must be submitted in writing before the start of the next class period. The student must state what question is to be reviewed and why more credit should be given. This can be written on the test or on a separate sheet of paper.*

*An individual’s test questions are not answered, reviewed or regraded while the student is in my presence*

Special final grade requirements:

*Any special final grade requirements must be provided by e-mail to me in the first 2 weeks of the class to be considered in final grade considerations. (E.g. graduating senior, probation, must have a c grade to graduate or stay in school, I work full time, scholarship requirements etc.).*

Pop or Surprise Quizzes

When attendance is low, pop or surprise quizzes will be given in class to encourage attendance from all students. The value or credit for the quiz will vary. These quizzes may only be a signup sheet.

**Make-up Exams**: Excused Absences for Exams

The only acceptable excuses for missing exams/quizzes or project due dates is a signed medical doctor's note that specifically states that you are unable to attend the exam/quiz/project, a traffic report showing that you were in a wreck, death in family etc. Not arriving for the first few classes due to travel schedules is not an excused absence.

**Grade Grievances**: Any appeal of a grade in this course must follow the procedures and deadlines for grade-related grievances as published in the current undergraduate / graduate catalog For undergraduate courses, <http://wweb.uta.edu/catalog/content/general/academic_regulations.aspx#10>; for graduate courses, see <http://www.uta.edu/gradcatalog/2012/general/regulations/#grades>.]

**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/ses/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.

**Academic Integrity:**  At UT Arlington, academic dishonesty is completely unacceptable and will not be tolerated in any form, including (but 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” (UT System Regents’ Rule 50101, §2.2). Suspected violations of academic integrity standards 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.

*Copying any written or web based materials for a project without proper referencing will not be tolerated.*

*Xerox copies of the book that infringe on copyright laws will not be allowed in class.*

Copyright Information:Copyright 2007 J.W. Priest as to this syllabus and all lectures and handouts unless specified otherwise. Students are prohibited from selling (or being paid for taking) notes during this course to (or by) any person or commercial firm without the express permission of the professor teaching this course

**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 contact the Maverick Resource Hotline by calling 817-272-6107, sending a message to resources@uta.edu, or visiting [www.uta.edu/resources](http://www.uta.edu/resources).

**Lab Safety Training: Students registered for this course must complete all required lab safety training prior to entering the lab and undertaking any activities.** Once completed, Lab Safety Training is valid for the remainder of the same academic year (i.e., through the following August) and must be completed anew in subsequent years. There are no exceptions to this University policy. Failure to complete the required training will preclude participation in any lab activities, including those for which a grade is assigned.

**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 will be asked to complete an online Student Feedback Survey (SFS) about the course and how it was taught. Instructions on how to access the SFS system will be sent directly to students through MavMail approximately 10 days before the end of the term. UT Arlington’s effort to solicit, gather, tabulate, and publish student feedback data is required by state law; student participation in the SFS program is voluntary.

**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.

**Librarian to Contact:** Nedderman Hall Basement