

ATEC 3363.001: Basic Interaction Design

Tuesday 11:30am - 2:15pm | ATEC 1.104

Erin Jennings
erin.jennings@utdallas.edu

Office hours: by appointment

Basic Interaction Design Syllabus
(subject to change at Instructor's discretion)

If we did all the things we are capable of, we would literally astound ourselves.
-Thomas Edison

Course Description

This course introduces the basic principles of Interaction Design. It has been designed to give students an overview of the current interaction development process and methods. Coursework will include discussions regarding Interaction Design's importance to the advancement of technology usage, entertainment, and impact on culture and society.

In this course students will learn to use the principles of Interaction Design to define a software project in terms of its purpose, scope, audience, major elements, task flows, layout and more. Students will identify a need, define a solution, and create deliverables for an entire interaction design project. Standard design patterns and frameworks will be introduced in order to create interfaces that map to user's expectations and improve the user experience.

Prerequisites: ATEC 2382/EMAC 3363 (Computer Imaging)

Learning Outcomes

- Understand the history and trajectory of Interaction Design as a professional discipline
- Understand the basics of both analogue and digital interaction applications
- Demonstrate a basic understanding in the following areas:
 - Interaction research methods
 - Analysis and interaction definition, i.e., user requirements
 - Concept visualization (Design) and review
 - Design refinement and prototyping
 - Usability Testing
 - Information organization and compelling visual/experiential presentation

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Course Requirements

- Attendance and punctuality
- Complete assignments on time and in a professional manner
- Collect research and retain conceptual material in an active personal project book
- Participate individually and as a contributing member of a team
- Complete readings, study handouts, and review internet sites for reference

Supplies

Required

- Binder with pockets for project book
- Notebook for Design Journal
- Post-It Notes, binder clips
- Active UTD email account

- Digital Storage

Optional

- Recommended textbook: *Designing Interactions* by Bill Moggridge (electronic stacks)

Attendance Policy

- Attendance will be taken at the beginning of every class.
- Attendance is mandatory. You must contact the instructor ***in writing*** (email) for approval prior to class if you cannot attend. ***No unexcused absences are allowed.***
- Each unexcused absence will result in the lowering of ***one full letter grade per absence*** (example: 'A' down to a 'B').
- ***Coming to class late or leaving early will also be counted as absences*** without prior approval from the instructor in writing (email) and verbally from your team (when applicable). This includes leaving in the middle of class, and returning late from scheduled breaks. All of these will result in the lowering of one full letter grade ***per incident***. This class covers a large amount of material at a rapid pace, along with being project and team-oriented, therefore, attendance, attention and participation are required for success.
- Excessive absences can result in multiple grade penalties or failure of the course. Excessive excused absences or tardies can negatively impact the 20% portion of your attendance and participation grade. Without consistent on-time attendance, you risk failing the class.
- Absences will be excused for family emergencies, medical conditions, etc.; however, regularly scheduled physician's appointments and similar situations will not be excused. Documentation

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regarding an absence must be brought to the instructor's attention no later than two (2) class days after the absence for it to be excused.

- It is the student's responsibility if tardy to inform the instructor of his/her presence. An absence will remain in the grade book if a student does not notify the instructor during a class break time the day the infraction occurs.
- The student is solely responsible for making up the content of missed lessons and class work **prior** to the next class meeting. It is the student's responsibility to keep up with the information discussed in class (do not contact the instructor for missing information).

Make up Work

Students with excused absences should make arrangements to get the missed assignments and handouts from the instructor via eLearning prior to the next class meeting. Make up work is due one week following the excused absence, unless other arrangements have been made. Failure to abide by these procedures could result in partial or complete loss of credit for the missed assignments.

Classroom Conduct

To promote a positive learning experience for everyone in the class, please follow the guidelines below:

- Students are to focus their attention on the subjects at hand in the classroom, i.e., lectures, presentations, discussions, and teamwork sessions and set aside all other activities.
- Students are to participate individually and as a contributing member of the class, especially in sharing discoveries with one another. This also includes teamwork settings.
- No talking when others are speaking, including the instructor or fellow students. All open communication (discussion) should be relevant to the subject at hand and have value to the class as a whole.
- No cell phone use, including texting, or other outside activities.
- Competitiveness between students and teams will be friendly and encouraging at all times.

Class Policies

- The 2 C's: Communication and Clarification
- The 2 R's: Respect and Responsibility

ATEC 3363.001: Basic Interaction Design

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- You are to respect your colleagues, this classroom and the instructor's role as your professor. This respect must be shown in any communication, both inside and outside of this classroom, be it written, verbal or nonverbal.
- You are to take responsibility for the level of work you produce, along with submission of that work, and for asking the instructor for help outside of class if you are having trouble with any aspect of the information.
- Respect for outside speakers or a guest is mandatory. Failure to act appropriately when guests are present can result in you being asked to leave the premises immediately and will negatively impact your attendance and participation grades.
- Please be courteous with the use of cell phones and internet surfing in class. Please do not do your homework for other classes in this class. There will be a "monitors off" policy during class lectures or presentations. Failure to adhere to these policies will affect your attendance and participation grades.
- Responses to emails from instructor are expected within 24 hours. You must check your email **daily**. Please clearly identify the content of your message in the subject line and identify yourself, particularly at the beginning of the semester as we are getting to know one another. You must follow the rules of common courtesy in all email messages.
- Students are expected to have done weekly assigned readings and activities prior to class.
- In fairness to other students, no late assignments will be accepted without prior approval. To request an extension, email instructor with the request date before the deadline. You must keep all correspondence. Late assignments are highly discouraged, and will negatively affect your attendance and participation grades.
- Manage your time wisely. Procrastinating may be tempting, but keep in mind that unexpected things happen -- illness, computer crashes, etc. -- and that late work will not receive full marks. Also be aware that the assignments for this course may be more challenging and time-consuming than they might appear at first glance. As you work on your final project, keep in mind your commitment to your teammates, as well.
- Participation is a vital part of the learning process. More than simply being physically present in class, participation includes asking questions about readings, answering questions, engaging in class discussions and guest lectures, and demonstrating a professional and positive attitude. Participation is worth 10% of your final grade.
- This is a project-oriented class and your team depends on you. Attendance at class is expected. Please discuss absences beforehand with instructor and your team. Again, for each unexcused absence, your grade will be lowered by one full letter grade.
- Professional conduct as a team member is expected. Teams are encouraged to work without need for supervision by instructor; however, the instructor is available for coaching and consultation on subject matter.

ATEC 3363.001: Basic Interaction Design

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- Should a team encounter non-participation (lack of attendance in class or at other team meetings) by a team member, communication with the instructor is encouraged and appropriate grade reflection will occur.
- Team members are required to communicate with each other on a consistent basis and to meet team established deadlines.
- Team members will be evaluating each other as part of team presentations. Students who uniformly receive unsatisfactory evaluations from other team members may receive a decrease in their team project grade, after review by the instructor.
- No extra credit is available. You must be able to work in a cooperative team environment to complete the class.
- Academic dishonesty in any form will not be tolerated. All images/clips/audio used in class must be original and Royalty-free or must be properly cited. Turnitin.com is used in this class.
- Any student who engages in behavior that disrupts the teaching-learning process (e.g., disrespect, unprofessionalism, ignoring the classroom conduct or policies (including the classroom equipment/ technology policy), whispering and talking to others, engaging in behaviors not related to the discussion at hand, etc.) will be asked to leave the class and will have points deducted at the instructor's discretion.
- Students who exhibit any of the aforementioned behaviors will be referred to the Dean of Students.
- The instructor reserves the right to make adjustments to the syllabus as needed. The schedule is subject to change according to the needs of the class. You can always find the most current material/schedule on the class website.

Academic Ethics*

Any form of disruptive behavior or scholastic dishonesty, such as plagiarism, cheating, or copying other's work will not be tolerated and may result in a loss of credit.

Drop Procedures*

(please see http://www.utdallas.edu/student/registrar/calendar/documents/Spring2010calendar_000.pdf)

If you are unable to complete this course, you should withdraw from it. Withdrawing from a course is a formal procedure, with a specific published deadline, which YOU MUST INITIATE. The instructor cannot do this for you. You must do this through the Registrar's Office. Failure to withdraw can result in a grade of "F" on one's permanent transcript.

Technical Support

If you experience any problems with your UTD account you may send an email to: assist@utdallas.edu or call the UTD Computer Helpdesk at 972-883-2911.

ATEC 3363.001: Basic Interaction Design

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* For additional University policies and procedures, please see <http://go.utdallas.edu/syllabus-policies>.

**Assignments and Academic Calendar
(Tentative)**

(schedule subject to change at Instructor's discretion)

08.25.10	Course and syllabus overview
09.01.10	Semester Project Kickoff Creativity Workshop IDEO Interaction Design Method Discovery and Innovation <i>Research User Needs and Establish Requirements</i>
09.08.10	IDEO Design Process Creative Concept Development What is Interaction Design? Ethnography
09.15.10	Interaction Design Method Discovery and Innovation <i>Composing a New Use Scenario or Narrative Functional Diagrams Storyboard Screen Concepts from Activity Script</i>
09.22.10	Information Interaction Design Preliminary Research presentations
09.29.10	Tap, tap, tap Design Process Creative project mechanics/Design Work Process & Development Small Screen GUI Design Principles
10.06.10	Interaction Design Method Part II Innovation <i>Design Exploration Wireframing</i>
10.13.10	Interaction Design Method Part II Innovation <i>Proof of Concept Prototyping</i> Conceptual Design Journals partial grade due
10.15.10	Midterm Grades due at 10:00 am
10.20.10	Usability Guest Speaker
10.27.10	Interaction Design Method Part II Innovation <i>Final Design Specifications</i>
11.03.10	Prototype Concepts and Test for Usability
11.10.10	Refine Final Design
11.17.10	Refine Final Design
11.24.10	Refine Final Design

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| 12.01.10 | Plan for Final Exam Presentation
Paper Due Interaction Design Library Addition |
| 12.08.10 | Final Presentations, Day 1
All presentations due |
| 12.15.10 | Final Presentations, Day 2
Conceptual Design Journals due
Morgues due |

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Grading Procedure

Because this course's emphasis will be on providing the student with an awareness and understanding of basic Interaction Design methods and practices through experience, it is very important that students participate individually and as a member of a small team to insure that everyone has a successful learning experience. Therefore, students will be evaluated on attendance, participation in class and in team assignments, along with the quality and quantity of work completed from week to week, leading to the final team presentations. Assignments will be discussed throughout the course, with specific requirements spelled out each week.

The student's grade will be determined in the manner described herein:

- All assignments will have a listed due date.
- All assignments are due at the BEGINNING of class unless otherwise specified and will be graded on a 100 point scale and are worth 35% of the overall grade.
- You will turn in BOTH a hard copy **AND** upload a digital copy to the ATEC 01 server, which will be discussed in class. Printing **MUST** be completed 15 minutes before class begins. It is your responsibility to make sure your work is uploaded on time. Your work **will not be accepted** if you do not upload your work by the due date. Professional presentation is required, including using black 12 point font type, aesthetically designed MS Office Word and PowerPoint documents, in color and appropriately bound.
- Late assignments (without prior instructor approval) will not be accepted and are subject to a grade of 0.
- One (1) project book will be completed as a portion of the final project; the student will turn in a notebook demonstrating conceptual thinking worked on incrementally throughout the semester. Both the project book and the conceptual notebook will be evaluated from time to time and before midterm to assess and grade progress at that time and will count toward a homework assignment; the completed conceptual notebook will be evaluated at the end of the course and is worth 10% of the overall grade. A design morgue will be created throughout the semester and will count as 5% of your total evaluation, along with weekly assignments and quizzes worth 35% of your final grade.
- One (1) final team presentation will be given; the presentation will demonstrate the concept and layout design of a project we will decide upon in class and is worth 30% of the overall grade.
- Grades will not be discussed over the phone or email. If you want to meet with the instructor about a grade, you must make an appointment.

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Methods of Evaluation

Grading scale is based on the total points earned.

A	90-100%	Individual Assignments/Quizzes:	35 percent
B	80-89%	Conceptual Notebook:	10 percent
C	70-79%	Morgue:	5 percent
D	60-69%	Attendance:	10 percent
Below 60% is failing		Class Participation:	10 percent
		Final Presentation:	30 percent
		TOTAL	100 percent

Grading Scale

A+		4.00
A	Excellent	4.00
A-		3.67
B+		3.33
B	Good	3.00
B-		2.67
C+		2.33
C	Fair	2.00
C-		1.67
D+		1.33
D	Poor	1.00
D-		0.67
F	Failure	

I Incomplete

WP Withdrawn Passing

W Withdrawn

WF Withdrawn Failing

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(<http://www.utdallas.edu/student/catalog/undergrad08/policies/grades.html>)

Technical Support

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Field Trip Policies

Off-campus Instruction and Course Activities

Off-campus, out-of-state, and foreign instruction and activities are subject to state law and University policies and procedures regarding travel and risk-related activities. Information regarding these rules and regulations may be found at the website address http://www.utdallas.edu/BusinessAffairs/Travel_Risk_Activities.htm. Additional information is available from the office of the school dean.

Student Conduct & Discipline

The University of Texas System and The University of Texas at Dallas have rules and regulations for the orderly and efficient conduct of their business. It is the responsibility of each student and each student organization to be knowledgeable about the rules and regulations which govern student conduct and activities. General information on student conduct and discipline is contained in the UTD printed publication, *A to Z Guide*, which is provided to all registered students each academic year.

The University of Texas at Dallas administers student discipline within the procedures of recognized and established due process. Procedures are defined and described in the *Rules and Regulations, Series 50000, Board of Regents, The University of Texas System*, and in Title V, Rules on Student Services and Activities of the university's *Handbook of Operating Procedures*. Copies of these rules and regulations are available to students in the Office of the Dean of Students, where staff members are available to assist students in interpreting the rules and regulations (SU 1.602, 972/883-6391) and online at <http://www.utdallas.edu/judicialaffairs/UTDJudicialAffairs-HOPV.html>

A student at the university neither loses the rights nor escapes the responsibilities of citizenship. He or she is expected to obey federal, state, and local laws as well as the Regents' Rules, university regulations, and administrative rules. Students are subject to discipline for violating the standards of conduct whether such conduct takes place on or off campus, or whether civil or criminal penalties are also imposed for such conduct.

Academic Integrity*

The faculty expects from its students a high level of responsibility and academic honesty. Because the value of an academic degree depends upon the absolute integrity of the work done by the student for that degree, it is imperative that a student demonstrate a high standard of individual honor in his or her scholastic work.

Scholastic Dishonesty, any student who commits an act of scholastic dishonesty is subject to discipline. Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for

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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.

Plagiarism, especially from the web, from portions of papers for other classes, and from any other source is unacceptable and will be dealt with under the university's policy on plagiarism (see general catalog for details). ***This course will use the resources of turnitin.com, which searches the web for possible plagiarism and is over 90% effective.***

Copyright Notice*

The copyright law of the United States (Title 17, United States Code) governs the making of photocopies or other reproductions of copyrighted materials, including music and software. Copying, displaying, reproducing, or distributing copyrighted works may infringe the copyright owner's rights and such infringement is subject to appropriate disciplinary action as well as criminal penalties provided by federal law. Usage of such material is only appropriate when that usage constitutes "fair use" under the Copyright Act. As a UT Dallas student, you are required to follow the institution's copyright policy (Policy Memorandum 84-1.3-46). For more information about the fair use exemption, see <http://www.utsystem.edu/ogc/intellectualproperty/copypol2.htm>

Email Use

The University of Texas at Dallas recognizes the value and efficiency of communication between faculty/staff and students through electronic mail. At the same time, email raises some issues concerning security and the identity of each individual in an email exchange. The university encourages all official student email correspondence be sent only to a student's U.T. Dallas email address and that faculty and staff consider email from students official only if it originates from a UTD student account. This allows the university to maintain a high degree of confidence in the identity of all individual corresponding and the security of the transmitted information. UTD furnishes each student with a free email account that is to be used in all communication with university personnel. The Department of Information Resources at U.T. Dallas provides a method for students to have their U.T. Dallas mail forwarded to other accounts.

Withdrawal from Class*

The administration of this institution has set deadlines for withdrawal of any college-level courses. These dates and times are published in that semester's course catalog. Administration procedures must be followed. It is the student's responsibility to handle withdrawal requirements from any class. In other words, I cannot drop or withdraw any student. You must do the proper paperwork to ensure that you will not receive a final grade of "F" in a course if you choose not to attend the class once you are enrolled.

Student Grievance Procedures

Procedures for student grievances are found in Title V, Rules on Student Services and Activities, of the university's *Handbook of Operating Procedures*.

In attempting to resolve any student grievance regarding grades, evaluations, or other fulfillments of academic responsibility, it is the obligation of the student first to make a serious effort to resolve the matter with the instructor, supervisor, administrator, or committee with whom the grievance originates

ATEC 3363.001: Basic Interaction Design

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(hereafter called “the respondent”). Individual faculty members retain primary responsibility for assigning grades and evaluations. If the matter cannot be resolved at that level, the grievance must be submitted in writing to the respondent with a copy of the respondent’s School Dean. If the matter is not resolved by the written response provided by the respondent, the student may submit a written appeal to the School Dean. If the grievance is not resolved by the School Dean’s decision, the student may make a written appeal to the Dean of Graduate or Undergraduate Education, and the dean will appoint and convene an Academic Appeals Panel. The decision of the Academic Appeals Panel is final. The results of the academic appeals process will be distributed to all involved parties.

Copies of these rules and regulations are available to students in the Office of the Dean of Students, where staff members are available to assist students in interpreting the rules and regulations.

Incomplete Grade Policy

As per university policy, incomplete grades will be granted only for work unavoidably missed at the semester’s end and only if 70% of the course work has been completed. An incomplete grade must be resolved within eight (8) weeks from the first day of the subsequent long semester. If the required work to complete the course and to remove the incomplete grade is not submitted by the specified deadline, the incomplete grade is changed automatically to a grade of **F**.

Disability Services

The goal of Disability Services is to provide students with disabilities educational opportunities equal to those of their non-disabled peers. Disability Services is located in room 1.610 in the Student Union. Office hours are Monday and Thursday, 8:30 a.m. to 6:30 p.m.; Tuesday and Wednesday, 8:30 a.m. to 7:30 p.m.; and Friday, 8:30 a.m. to 5:30 p.m.

The contact information for the Office of Disability Services is:

The University of Texas at Dallas, SU 22

PO Box 830688

Richardson, Texas 75083-0688

(972) 883-2098 (voice or TTY)

disabilityservice@utdallas.edu

If you anticipate issues related to the format or requirements of this course, please meet with the Coordinator of Disability Services. The Coordinator is available to discuss ways to ensure your full participation in the course. If you determine that formal, disability-related accommodations are necessary, it is very important that you be registered with Disability Services to notify them of your eligibility for reasonable accommodations. Disability Services can then plan how best to coordinate your accommodations.

It is the student’s responsibility to notify his or her professors of the need for such an accommodation. Disability Services provides students with letters to present to faculty members to verify that the student

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has a disability and needs accommodations. Individuals requiring special accommodation should contact the professor after class or during office hours.

Religious Holy Days

The University of Texas at Dallas will excuse a student from class or other required activities for the travel to and observance of a religious holy day for a religion whose places of worship are exempt from property tax under Section 11.20, Tax Code, Texas Code Annotated.

The student is encouraged to notify the instructor or activity sponsor as soon as possible regarding the absence, preferably in advance of the assignment. The student, so excused, will be allowed to take the exam or complete the assignment within a reasonable time after the absence: a period equal to the length of the absence, up to a maximum of one week. A student who notifies the instructor and completes any missed exam or assignment may not be penalized for the absence. A student who fails to complete the exam or assignment within the prescribed period may receive a failing grade for that exam or assignment.

If a student or an instructor disagrees about the nature of the absence [i.e., for the purpose of observing a religious holy day] or if there is similar disagreement about whether the student has been given a reasonable time to complete any missed assignments or examinations, either the student or the instructor may request a ruling from the chief executive officer of the institution, or his or her designee. The chief executive officer or designee must take into account the legislative intent of TEC 51.911(b), and the student and instructor will abide by the decision of the chief executive officer or designee.

These descriptions and timelines are subject to change at the discretion of the Professor.