Syllabus: LTEC 6230  
Advanced Production Design for Learning Technologies  
University of North Texas  
Fall 2019 Aug 26 – Dec 7, 2019  
Online Course in Canvas • Discovery Park • 3 credits

Course website: https://unt.instructure.com  
Course online platform: Canvas

CONTACT INFORMATION
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Texts
See below

Pre-Requisite
Doctoral student standing in Learning Technologies or permission of the instruction

Course Description
Advanced design and implementation of educational multimedia and hypermedia products utilizing strategies from message and instructional design, human factors research, learning theory and other theoretical and critical approaches. This is a project-based online or hybrid (for face-to-face residential students) course emphasizing analysis design, development, implementation and evaluation. Students are expected to plan a learning or instructional product, implement at least a prototype, design an evaluation study, and document the rationale, process and any findings relevant to the effort in a publishable format.

Course Requirements
Plan a minimum of six to nine hours a week of outside preparation as a safe time allocation for successfully completing this course. This is an advanced course that explores various theory, concepts, and technologies related to advanced instructional design.
We will occasionally use Zoom (https://unt.zoom.us/j/644048869) for online meetings during the course – primarily for sharing products or prototypes developed. Students should have 1) a USB headset with a microphone or a good microphone attached to the computing device; 2) a web cam, and 3) access to high speed Internet. Zoom supports the use of smartphones.

Course Topics and Objectives

- Discuss and develop lessons, learning environments or instructional systems using current methods for the delivery/deployment of interactive materials of high quality.
- Be familiar with the principles of advanced instructional design and the tradeoff decisions that designers make when planning for the integration of advanced learning technologies.

Grading

A total of 100 points for the course will be allocated as follows

| Assignment 1 - Draft Project Proposal | 20 points |
| Assignment 2 - Formal Proposal (Rationale & Design, Evaluation) | 20 points |
| Assignment 3 - Project Completion or Progress Demonstration | 20 points |
| Assignment 4 - Evaluation [Plan for] of Project | 20 points |
| Participation on a regular and ongoing basis | 20 points |

Guidelines

1. Assignment 1 – a rationale for developing a learning or instructional product to address a specific need or identified problem; the draft should include (a) a statement of the problem with evidence of the likely underlying causes of the problem, (b) a solution approach based on relevant theory and research to address the problem, (c) a discussion of the design, implementation and evaluation of the solution, and (d) a discussion of resources and timeline. [Notes: it is not necessary to implement all parts of the effort in this course; what matters is the design rationale; students can work in small teams of no more than 3 on a project but each must submit the required items for all parts of the effort; the proposal should include at least 3 APA 6 formatted references to justify the approach; the draft proposal should be no less than 500 words in length and shared in the discussion forum and also placed in the assignment drop box]

2. Assignment 2 – a fully elaborated proposal based on feedback received from classmates and the instructor. [Notes: it is not necessary to implement all parts of the effort in this course; what matters is the design rationale; students can work in small teams of no more than 3 on a project but each must submit the required items for all parts of the effort; the proposal should include at least 5 APA 6 formatted references to justify the approach; the full proposal should be no less than 1,000 words in length and shared in the discussion forum and also placed in the assignment drop box]

3. Assignment 3 – a completed project or prototype illustrating what a final product be like. The format of the project should be presented in a form accessible to everyone in
the class and shared in the discussion forum, placed in the assignment drop box with associated documentation, and also shared via a video-conference session.

4. Assignment 4 – a well elaborated evaluation plan that includes details of a formative evaluation (e.g., a fidelity of implementation study) and a summative evaluation (e.g., an impact study). The former should include details indicating how you will ensure success in attaining indicated goals and the latter should include details indicating how you will determine the degree to which the effort attains intended goals and objectives.

5. Participation will be based on active and regular participation in discussion forums and scheduled video-conference meetings. Missing participation in 2 discussion forums or scheduled meetings will result in a 5 point penalty. Missing 3 to 4 will result in a 10 point penalty. Missing more than 4 will result in no points for participation.

Letter grades will be the higher grade resulting from the following two standards:

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

**Assignment Grades**

Any assignments not turned in by the assignment date will be penalized at least one letter grade depending on how late the assignment is submitted unless written permission for submitting late due to illness or other unavoidable cause is documented and delivered by email prior to the assignment due date and approved for late delivery by the instructor.

**Meeting Information**

The course will proceed primarily in asynchronous format with occasional synchronous meetings scheduled according the course schedule (see below). Recording of Zoom Meetings will be made available when possible. Regular and active participation on a weekly basis is expected. Follow directions in the weekly discussion forums for specific discussion topics and assignments. Feel free to contact the instructor via the course site or via email (mike.spector@unt.edu). Put the course number in the subject of any emails – LTEC 6230.
## Course Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Start Date (ends the following Sunday at midnight)</th>
<th>Topics, Tasks and Assignments (Due Dates) – subject to changes that will be noted in the discussion forums.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Aug 26</td>
<td>Course introductions and rules of engagement; a discussion about the process of planning and implementing technology-enhanced learning environments at different levels (lesson, module, course, program); discuss possible projects</td>
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<tr>
<td>2</td>
<td>Sep 2</td>
<td>Submit evidence of IRB certification by the end of this week’s unit of instruction; see <a href="https://research.unt.edu/sites/default/files/irb_to_register_for_a_human_subjects_research_course_through_citi.pdf">https://research.unt.edu/sites/default/files/irb_to_register_for_a_human_subjects_research_course_through_citi.pdf</a>; continue discussing possible projects with initial one paragraph descriptions submitted to the discussion forum; Read Richard Mayer’s Multimedia Learning (Chaps 1-2) and the 12 Principles of Multimedia Learning</td>
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<tr>
<td>3</td>
<td>Sep 9</td>
<td>Assignment 1 (draft project proposal) due at the end of the week – submit to the discussion forum and to Assignments (for grading purposes) – include problem, purpose, scope and at least three references; Read Richard Mayer and Roxana Moreno’s cognitive theory of multimedia learning</td>
</tr>
<tr>
<td>4</td>
<td>Sep 16</td>
<td>Discussion of the challenges and feasibility of proposed projects; Read the great media debate (Clark, Kozma, and Becker readings)</td>
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<tr>
<td>5</td>
<td>Sep 23</td>
<td>Assignment 2 (final project proposals) due at the end of the week - submit to the discussion forum and to Assignments (for grading purposes) – include problem, purpose, scope, literature reviewed, approach taken with justification, any data collected or analyzed and references in APA 6 format</td>
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<tr>
<td>6</td>
<td>Sep 30</td>
<td>Discussion of advanced learning projects as suggested in the discussion forum; Read Chaps. 1-2 in Goodyear &amp; Retalis book</td>
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<tr>
<td>7</td>
<td>Oct 7</td>
<td>Discussion of advanced learning projects as suggested in the discussion forum; Read Chaps. 11 and 18 in Goodyear &amp; Retalis book</td>
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<tr>
<td>10</td>
<td>Oct 28</td>
<td>Discussion of the New Media Consortium’s Horizon Report – see <a href="http://www.nmc.org">www.nmc.org</a></td>
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<tr>
<td>11</td>
<td>Nov 4</td>
<td>Discussion of challenges and tradeoff decisions being made with regard to projects</td>
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<tr>
<td>12</td>
<td>Nov 11</td>
<td>Project presentations – synchronous meeting to be scheduled (Assignment 3 begins)</td>
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<tr>
<td>13</td>
<td>Nov 18</td>
<td>Project presentations – synchronous meeting to be scheduled; Assignment 4 – project evaluation plans - to be submitted to the discussion forum and also uploaded to Assignments for grading – evaluation plans should include both formative and summative evaluation plans with data to be collected and how the analysis will be done – linking to goals and objectives is important</td>
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<tr>
<td>14</td>
<td>Thanksgiving break</td>
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<tr>
<td>15</td>
<td>Dec 3</td>
<td>Assignment 3 ends – completed projects- to be submitted to the discussion forum and also uploaded to Assignments for grading</td>
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READINGS AND RESOURCES

Required Readings:


Recommended Reading:

DISCUSSION REQUIREMENTS

Discussions regarding papers and readings will be conducted through the weekly online forums (and face-to-face sessions for residential students) and the synchronous online class sessions. The participants are expected to:

- Participate in discussions on a regular weekly basis – two substantive postings each week to meet the basic requirement (substantive = elaboration of a key point, sharing and discussing an alternative or supportive example, presenting a coherent and documented counter-argument to a position made by another, including the instructor)
- Show a practical understanding of readings as reflected in postings
- Contribute original ideas and critiques
- Incorporate and respond to the perspectives of colleagues
- Show willingness to participate as a member of the scholarly community

It is expected that every participant will post 3 or more substantive but succinct postings on the discussion forum every week. Post both original thoughts regarding the readings and respond to the postings of colleagues. Respect is expected from everyone, along with constructive challenges and criticism. All participants should progress at a similar pace (following the weekly schedule and assignments). This effort is distributed over time and the whole class will benefit from more focused and synergistic discussions around the readings and topics. Therefore, please be sure you keep up with readings and postings. Face-to-face students should schedule a time to meet with the professor in person each week.

Class Attendance/Online Interaction

Participation and punctuality are professional behaviors expected. Educational or Instructional technology is not just doing computer projects - it involves documenting the rationale behind plans, evaluations of prototypes, analysis of outcomes, and more. Hence,
you need to be involved in class discussions and learning activities. Students who wish to withdraw must do so prior to the withdrawal without penalty date.

Due dates, for all assigned materials, will be announced in advance and can be found in the course schedule. Changes, on the assignment's requirements or due dates may be announced at later dates, in class forums, therefore reading the class forums is required. It is the student's responsibility to keep up with these updates and to have all assignments ready on time.

**LT Incomplete Policy Statement**

The department complies with university policy regarding the assignment of an Incomplete Grade in any course. Please see [http://essc.unt.edu/registrar/academic-record-incomplete.html](http://essc.unt.edu/registrar/academic-record-incomplete.html) for information.

Per UNT policy, a grade of Incomplete can only be awarded to a student who is 1) passing the course, and 2) has a justifiable and documented reason, beyond the control of the student, for not completing the course work on schedule. Notification and submission of documentation must be provided to the instructor and approved by the instructor at the time of the emergency.

**UNT POLICIES**

**Platform and Basic Technical Requirements:**

This online course uses the UNT Canvas System (https://canvas.unt.edu) as the main platform for file sharing and communication, although other media may be incorporated based on class needs. Online synchronous sessions will be scheduled using the UNT Zoom system to be accessed at

**Electronic mail:**

A university-assigned student email account is the official and preferred means of communication with all students, faculty and support personnel. Students are responsible for all information sent to them via this university-assigned email account. If a student chooses to forward their University email account or to use some other email account, he or she is responsible for all information, including attachments, sent to any other email account. Email sent to the instructor should begin with LTEC 6320 in the subject line.

**Students with Disabilities:**

University of North Texas recognizes its responsibility for creating an institutional climate in which students with disabilities can thrive. In accordance with university policy, if you have a documented disability and require accommodations to obtain equal access in this course, please contact the instructor at the beginning of the semester or when given an assignment for which an accommodation is required. Students with disabilities must verify their eligibility through the Office of Student Disability Services.
Plagiarism:
Under all circumstances, you are bound by the UNT policies on academic dishonesty and cheating. Any materials you have used or adapted must be fully credited and the original author and location fully cited. Any verified act of plagiarism, no matter how seemingly-small or inconsequential, will result in an F in the course and sanctions by the University.

Academic Dishonesty and Integrity
Refer to the UNT Student Rights and Responsibilities Academic Dishonesty and Integrity. These include:

- **Cheating** intentionally using or attempting to use unauthorized materials, information, or study aids in any academic exercise. The term academic exercise includes all forms of work submitted for credit or hours.
- **Plagiarism** the deliberate adoption or reproduction of ideas, words or statements of another person as one's own without acknowledgement.
- **Fabrication** intentional and unauthorized falsification or invention of any information or citation in an academic exercise.
- **Facilitating academic dishonesty** intentionally or knowingly helping or attempting to help another to violate a provision of the institutional code of academic integrity.

You are encouraged to become familiar with the University's Policy of Academic dishonesty found in the Student Handbook.

ADA Policy
The University of North Texas is on record as being committed to both the spirit and letter of federal equal opportunity legislation; reference Public Law 92-112 - The Rehabilitation Act of 1973 as amended. With the passage of new federal legislation entitled Americans with Disabilities Act (ADA), pursuant to section 504 of the Rehabilitation Act, there is renewed focus on providing this population with the same opportunities enjoyed by all citizens.

As a faculty member, I am required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of that disability. **Student responsibility** primarily rests with informing faculty of their need for accommodation and in providing authorized documentation through designated administrative channels. Information regarding specific diagnostic criteria and policies for obtaining academic accommodations can be found [here](#). Also, you may visit the Office of Disability Accommodation in the University Union (room 321) or call them at (940) 565-4323.

Add/Drop Policy
Refer to the UNT Office of the Registrar concerning Add/Drop Periods for this semester.
Important Notice for F-1 Students taking Distance Education Courses

Federal Regulation

To read detailed Immigration and Customs Enforcement regulations for F-1 students taking online courses, please go to the Electronic Code of Federal Regulations website. The specific portion concerning distance education courses is located at "Title 8 CFR 214.2 Paragraph (f)(6)(i)(G)" and can be found buried within this document: http://frwebgate.access.gpo.gov/cgi-bin/get-cfr.cgi?TITLE=8&PART=214&SECTION=2&TYPE=TEXT

The paragraph reads:
(G) For F-1 students enrolled in classes for credit or classroom hours, no more than the equivalent of one class or three credits per session, term, semester, trimester, or quarter may be counted toward the full course of study requirement if the class is taken on-line or through distance education and does not require the student's physical attendance for classes, examination or other purposes integral to completion of the class. An on-line or distance education course is a course that is offered principally through the use of television, audio, or computer transmission including open broadcast, closed circuit, cable, microwave, or satellite, audio conferencing, or computer conferencing. If the F-1 student's course of study is in a language study program, no on-line or distance education classes may be considered to count toward a student's full course of study requirement.

University of North Texas Compliance

An F-1 visa holder within the United States may need to engage in an on-campus experiential component for this course to maintain compliance.

It is the student's responsibility to do the following:

1. Submit a written request to the instructor for an on-campus experiential component within one week of the start of the course.
2. Ensure that the activity on campus takes place and the instructor documents it in writing with a notice sent to the International Student and Scholar Services Office using appropriate ISSS form available.

Because the decision may have serious immigration consequences, if an F-1 student is unsure about his or her need to participate in an on-campus experiential component for this course, s/he should contact the UNT International Student and Scholar Services Office (telephone 940-565-2195 or email internationaladvising@unt.edu) to get clarification before the one-week deadline.