Home Technology Integration

CPMT 2302

CREDIT
3 Semester Credit Hours (2 hours lecture, 4 hours lab)

MODE OF INSTRUCTION
Face to Face

PREREQUISITE/CO-REQUISITE: None

COURSE DESCRIPTION
A study of integration and maintenance of various home technology subsystems. Includes home automation, security and surveillance, home networks, video and audio networks, and structured wiring.

COURSE OBJECTIVES
Upon completion of this course, the student will be able to
1. Design various subsystems
2. Install various subsystems
3. Integrate various subsystems
3. Maintain various subsystems to create an automated home control system

INSTRUCTOR CONTACT INFORMATION
Instructor: Tim Storbeck
Email: tjstorbeck@lit.edu
Office Phone: 409-247-2563
Office Location: T4 Room 109
Office Hours: Posted on office door, and in Starfish with appointment by phone.

REQUIRED TEXTBOOK AND MATERIALS

Approved: Initials/date
ATTENDANCE POLICY
Attendance will be taken every class and reported in Star Fish

DROP POLICY
If you wish to drop a course, you are responsible for initiating and completing the drop process. If you stop coming to class and fail to drop the course, you will earn an “F” in the course.

<table>
<thead>
<tr>
<th>DATE</th>
<th>TOPIC</th>
<th>READINGS (Due on this Date)</th>
<th>ASSIGNMENTS (Due on this Date)</th>
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<tbody>
<tr>
<td>Week 1</td>
<td>Part 1 Home Tech Install</td>
<td>Week 1</td>
<td>Week 2</td>
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<td>Week 2</td>
<td>Part 2 Wire Documentation &amp; Install Practice</td>
<td>Week 2</td>
<td>Week 3</td>
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<tr>
<td>Week 3</td>
<td>Lab Installing Comp, &amp; setup cubical</td>
<td>Week 3</td>
<td>Week 3</td>
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<tr>
<td>Week 4</td>
<td>Part 3 Audio/Video System</td>
<td>Week 4</td>
<td>Week 4</td>
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<td>Week 5</td>
<td>Part 3 Lab Install Video Equipment</td>
<td>N/A</td>
<td>Install complete Video</td>
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<td>Week 6</td>
<td>Part 3 Lab Install Audio Equipment</td>
<td>N/A</td>
<td>Install and complete Audio system</td>
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<td>Week 7</td>
<td>Part 5 Security Systems Basics</td>
<td>Week 7</td>
<td>Week 7</td>
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<td>Week 8</td>
<td>Part 5 Security Systems Lab Start install of system</td>
<td>N/A</td>
<td>Week 8</td>
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<td>Week 9</td>
<td>Lab Security System installing components of Security System</td>
<td>N/A</td>
<td>Week 9</td>
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<td>Week 10</td>
<td>Part 6 Video Surveillance</td>
<td>Week 10</td>
<td>Week 10</td>
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<tr>
<td>Week 11</td>
<td>Lab install video surveillance</td>
<td>Week 11</td>
<td>Week 11</td>
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<td>Week 12</td>
<td>Part 7 Home Lighting controls</td>
<td>Week 12</td>
<td>Week 12</td>
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<td>Week 13</td>
<td>Part 8 Home controls and management</td>
<td>Week 13</td>
<td>Week 13</td>
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<td>Week 14</td>
<td>Lab for Part 7 and 8</td>
<td>Week 14</td>
<td>Week 14</td>
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Install lighting controls and Magnet systems

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<tr>
<th>Week 15</th>
<th>Review and grade Installation of all equipment</th>
<th>Week 15</th>
<th>Week 15</th>
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<tbody>
<tr>
<td>Week 16</td>
<td>Final</td>
<td>Week 16</td>
<td>Week 16</td>
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**COURSE EVALUATION**

Final grades will be calculated according to the following criteria:

- Attendance: 10%
- Labs: 40%
- Chapter Quiz: 30%
- Final: 20%

**GRADE SCALE**

- 90-100 A
- 80-89 B
- 70-79 C
- 60-69 D
- 0-59 F

**TECHNICAL REQUIREMENTS**

The latest technical requirements, including hardware, compatible browsers, operating systems, etc. can be online at https://lit.edu/online-learning/online-learning-minimum-computer-requirements. A functional broadband internet connection, such as DSL, cable, or WiFi is necessary to maximize the use of online technology and resources.

**DISABILITIES STATEMENT**

The Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. LIT provides reasonable accommodations as defined in the Rehabilitation Act of 1973, Section 504 and the Americans with Disabilities Act of 1990, to students with a diagnosed disability. The Special Populations Office is located in the Eagles’ Nest Room 129 and helps foster a supportive and inclusive educational environment by maintaining partnerships with faculty and staff, as well as promoting awareness among all members of the Lamar Institute of Technology community. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409)-951-5708 or email specialpopulations@lit.edu. You may also visit the online resource at Special Populations - Lamar Institute of Technology (lit.edu).
STUDENT CODE OF CONDUCT STATEMENT
It is the responsibility of all registered Lamar Institute of Technology students to access, read, understand and abide by all published policies, regulations, and procedures listed in the LIT Catalog and Student Handbook. The LIT Catalog and Student Handbook may be accessed at www.lit.edu. Please note that the online version of the LIT Catalog and Student Handbook supersedes all other versions of the same document.

STARFISH
LIT utilizes an early alert system called Starfish. Throughout the semester, you may receive emails from Starfish regarding your course grades, attendance, or academic performance. Faculty members record student attendance, raise flags and kudos to express concern or give praise, and you can make an appointment with faculty and staff all through the Starfish home page. You can also login to Blackboard or MyLIT and click on the Starfish link to view academic alerts and detailed information. It is the responsibility of the student to pay attention to these emails and information in Starfish and consider taking the recommended actions. Starfish is used to help you be a successful student at LIT.

ADDITIONAL COURSE POLICIES/INFORMATION
Insert additional course policies/information specific to your section here.