INTRODUCTION TO COMPUTER MAINTENANCE

(CPMT 1311 6A1)

CREDIT

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

MODE OF INSTRUCTION
Face to face hybrid

PREREQUISITE/CO-REQUISITE:
None

COURSE DESCRIPTION
Introduction to the installation, configuration, and maintenance of a microcomputer system.

COURSE OBJECTIVES
Upon completion of this course, the student will be able to
Identify modules that make up a computer system and its operation; identify each type of computer bus structure; assemble/setup microcomputer systems and adapter/interface boards; and install/connect associated peripherals.

INSTRUCTOR CONTACT INFORMATION

Instructor:	Tim Storbeck
Email:	tjstorbeck@lit.edu
Office Phone:	409-247-5236
Office Location:	T4 RM 109D
Office Hours:	As posted outside my door or on Starfish

REQUIRED TEXTBOOK AND MATERIALS
Cengage CompTIA A+ Guide to IT Technical Support 11th edition and MindTap
ISBN-13: 9780357674161

ATTENDANCE POLICY
Mandatory and will make up 10% of you grade

Approved: Initials/date

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.

COURSE CALENDAR

WEEK	TOPIC	READINGS	ASSIGNMENTS
Week 1 8/26-9/1	Course Intro Textbook and MindTap access	Blackboard Module 1	Cengage.com 9/1
Week 2 9/1-9/8	Module 1&2 Computer parts. All about Motherboards	Module 2&3	Quiz Module 1 9/8
Week 3 9/8-9/15	Module 3 Supporting CPU and Memory and power supply	Module 4&5	Quiz Module 2&3 Hands on Labs 9/15
Week 4 9/15-9/22	Supporting HDD and Storage devices and I/O devices	Module 6&7	Quiz Module 4&5 Hands on Labs 9/22
Week 5 9/22-9/29	Networking fundamentals. Network Cloud Computing & Mobile Dev	Module 8&9	Quiz Module 6&7 Hands on Lab 9/29
Week 6 9/29-10/6	Supporting Printers. The world of IT pro	Module 10&11	Quiz Module 8&9 Hands on Labs 10/6
Week 7 10/6-10/13	Installing Windows Maintaining Windows	Module 12&13	Quiz Module 10&11 MindTap Labs 10&11 10/13
Week 8 10/13-10/20	Troubleshooting Windows after startup	Module 14&15	Quiz Module 12&13 MindTap Labs 12&13 10/20
Week 9 10/20-10/27	Security Strategies Securing and Sharing resources	Module 16&17	Quiz Module 14&15 Labs on MindTap 14&15 10/27
Week 10 10/27-11/3	Mobile devices	Module 18	Quiz Module 16&17 11/3
Week 11 11/3-11/10	Network Security	Module 19	Quiz Module 18 & Labs 11/10
Week 12 11/10-11/17	Supporting macOS	Module 20	Quiz Module 19 & Labs 11/17

Week 13 11/17-11/24	Linux and Scripting	Module 21	Quiz Module 20 & labs 11/24
Week 14 11/24-12/1	Review and Make up work	Review	Make up Work and Labs 12/1
Week 15 12/1-12/8	Final Prep	Last chance to turn in late work 12/6	Final Prep 12/6
Week 16 12/8-12/12	Final		Final 12/10

COURSE EVALUATION
Final grades will be calculated according to the following criteria:
- End of Chapter test or quiz   40%
- Attendance   10%
- Labs   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.

ARTIFICIAL INTELLIGENCE STATEMENT

Lamar Institute of Technology (LIT) recognizes the recent advances in Artificial Intelligence (AI), such as ChatGPT, have changed the landscape of many career disciplines and will impact many students in and out of the classroom. To prepare students for their selected careers, LIT desires to guide students in the ethical use of these technologies and incorporate AI into classroom instruction and assignments appropriately. Appropriate use of these technologies is at the discretion of the instructor. Students are reminded that all submitted work must be their own original work unless otherwise specified. Students should contact their instructor with any questions as to the acceptable use of AI/ChatGPT in their courses

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

The A+ CompTIA certification goes with this class. A nationally recognized certification is required to graduate.

- Network + Certification
- Linux + Certification
- Security + Certification
- Cisco Certified Network Associate (CCNA)