

Disaster Recovery (EMAP 2355)



Credit: 3 semester credit hours (3 hours lecture)

Prerequisite/Co-requisite: None.

Course Description

Policies, concepts, and procedures of recovery. Addresses the various federal and state assistance programs. Emphasizes coordination of damage assessment, preparing documentation, and recovery procedures. This course is equivalent to the Texas Department of Emergency Management and the Federal Emergency Management Agency course G620.

Required Textbook and Materials

1. *Disaster Recovery* by B. Phillips, 2nd edition. CRC Press.
 - a. ISBN number is 978-1-4665-8384-9.
2. All students must register with FEMA and obtain a Student Identification Number (SID; <https://cdp.dhs.gov/femasid/register>).

Course Objectives

Upon completion of this course, the student will be able to:

1. Analyze policies, concepts, and procedures of recovery.
2. Develop a Disaster recovery plan
3. Research best practices

Course Outline

1. Welcome
 - a. Introduction of faculty and students
 - b. Course Expectations
2. Chapter 1: Introduction
 - a. Defining Disaster Recovery
 - b. Hazards and Their Consequences for Disasters
 - c. Disaster Resilience
3. Chapter 2: Conceptual, Theoretical, and Practical Approaches to Disaster Recovery
 - a. Why Theory?
 - b. Toward a Sustainable Recovery
4. Chapter 10: Social Psychological Recovery
 - a. Psychological Impacts of Disasters
 - b. Factors Influencing Psychological Recovery
 - c. Barriers to Psychological Recovery
 - d. Becoming More Resilient to Disasters
 - e. Post-disaster Recovery from Psychological Trauma
5. Chapter 3: Disaster Recovery Planning

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- a. Damage Assessment
- b. Getting Started With Planning
- c. Recovery Planning
6. IS-559: Local Damage Assessment (FEMA.Gov)
 - a. Introduction to Local Damage Assessment
 - b. Hazard Analysis
 - c. Planning the Damage Assessment Program
 - d. Training and Exercises
 - e. Operations
 - f. Data Collection and Analysis
7. Chapter 4: Debris Management
 - a. Debris Challenges
 - b. Debris Estimation
 - c. Problems Specific to Debris
 - d. Debris Management Planning
 - e. Debris Reduction Methods
 - f. Debris Management Sites
8. Chapter 5: Environmental Recovery
 - a. Approaches to Environmental Recovery
 - b. Strategies and Tools for Environmental Recovery
 - c. Environmental Partners
9. Chapter 6: Historic and Cultural Resources
 - a. Defining Historic Property and Cultural Resources
 - b. Importance of Historic “Places”
 - c. Challenges and Opportunities after Disaster
 - d. Resources for Historic Properties and Cultural Resources
 - e. Mitigation for Historic Properties and Cultural Resources
10. Chapter 7: Housing
 - a. Challenges in Housing Recovery
 - b. Housing Recovery Models
 - c. Types of Post-Disaster Shelter and Housing
 - d. Challenges for Socially Vulnerable Populations
 - e. The Role of the U.S. Government in Housing Recovery
11. Chapter 8: Business Recovery
 - a. Conditions that Influence Business Recovery
 - b. Key Concepts for Business Recovery
 - c. Strategies for Business Recovery
 - d. Funding Business Recovery
12. Chapter 9: Infrastructure and Lifelines
 - a. Social Impacts of Infrastructural and Utility Damage
 - b. Impacts of Disaster on Infrastructure and Lifelines
 - c. Damage Assessment and Short-Term Recovery
 - d. Mitigating Future Risks
13. Chapter 11: Public Sector Recovery
 - a. Roles of Government in Disaster Recovery
 - b. Approaches to Governmental Leadership

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- c. Key Governmental Resources
- 14. IS-2900.A: National Disaster Response Framework (NDRF) Overview
 - a. National Disaster Recovery Framework Overview
 - b. Roles and Responsibilities
 - c. Core Capabilities
 - d. Coordinating Structures
- 15. Chapter 12: Donations
 - a. Understanding the Problem of Donations
 - b. Challenges Associated with Donations
 - c. Encouraging Financial Donations
 - d. Donations Management Planning
 - e. Donations Accountability
- 16. Chapter 13: Community Resources
 - a. Defining Community
 - b. Social Capital
 - c. Engaging Communities
 - d. Participatory Strategies
- 17. Volunteers and Voluntary Organizations
 - a. Why people volunteer
 - b. Benefits and challenges of volunteer management
 - c. Volunteering internationally
 - d. Contributions of voluntary organizations during disaster recovery
 - e. The voluntary agency liaison
 - f. Managing volunteers

Grade Scale

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

Course Evaluation

Final grades will be calculated according to the following criteria:

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|-----------------------|-----|
| 1. Unit Tests | 60% |
| 2. Course Assignments | 40% |

Course Policies

1. No food, drinks, or use of tobacco products in class.
2. Computers, telephones, headphones, and any other electronic devices must be turned off while in class or used only with permission of the instructor.
3. Do not bring children to class.
4. If you wish to drop a course, the student is 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.

5. Additional class policies as defined by the individual course instructor.

Technical Requirements

The latest technical requirements, including hardware, compatible browsers, operating systems, software, Java, etc. can be found online at:

https://help.blackboard.com/Learn/Student/Getting_Started/Browser_Support/Browser_Checker A functional broadband internet connection, such as DSL, cable, or WiFi is necessary to maximize the use of the online technology and resources.

Disabilities Statement

The Americans with Disabilities Act of 1992 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. Among other things, these statutes require that all students with documented disabilities be guaranteed a learning environment that provides for reasonable accommodations for their disabilities. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409) 880-1737 or visit the office in Student Services, Cecil Beeson Building. You may also visit the online resource at <http://www.lit.edu/depts/stuserv/special/defaults.aspx>

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 or obtained in print upon request at the Student Services Office. 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.

