

**Barrier Free Design
ID317 Fall 2001
SYLLABUS**

Revised Fall 2001

Class Meetings: T-TH 9:30-10:50

Location: E102

Instructor: Deborah Lowry

Office:

Phone:

Text: Foresman, The Scott, Foresman Handbook for Writers.

Text: Leibrock, C.A., Terry, J.E., (1999), Beautiful Universal Design York: John Wiley & Sons.

Tool and Supplies: Lead Holder, Lead - F and H, lead sharpener, 2 - Triangles 90/45 and 90/60/30. Eraser (white), Drafting Brush, erasing shield, architects scale, 1 roll yellow tracing paper, drafting vellum 24 " roll or 18 x 24 sheets, drafting tape or dots, circle template, bathroom template, and lettering guide. Other materials may be purchased also as the class progresses such as French curves, compass and other templates.

Course Requirements: Class attendance is mandatory for successful completion of this class. Students will be graded on daily assignments (50%) as well as small projects (30%). Final project will consist of a folder (10%) containing all class assignments. Final Exam (10%) .

Grading: Grading is on a percentage of point system:

A = 100-90% B = 89-80% C = 79-70% D = 69-60% F = Below 60%

Assignments: Most assignments will be done in class and as homework if more time is needed. Each page will be hand lettered on tracing paper or vellum and will list Name, description of drawing, and scale of drawing in proper format. Written assignments must be double spaced on computer 12 point type with student name and class section number and title of project listed at top of page. **Please read assigned text and handouts before each class. Student participation in class discussions is required.**

Attendance is mandatory. Four unexcused absences may result in a failing grade. Please see the instructor if you have two unexcused absences in a row. Tardiness and leaving class early will also affect the student's final and daily grade. Absences on exam days due to illness will only be excused with proof of proper medical verification. See the advisor to make up the examination at the next class meeting. No cell phones or audible pagers will be allowed in class. Please see the CUH handbook for information on the University policies relating to student's code of conduct. This will be strictly enforced.

Goals and Objectives: This course is designed to give students an understanding of barrier free design. The student must apply basic drafting skills and interior finishes to create an environment that is universally accessible.

- Use correct vocabulary & terminology relating to designing and building a barrier-free environment.
- Analyze existing spaces for accessibility needs
- Select proper finish material for a universal interior solution
- Apply space-planning skills to barrier-free design.
- Read and interpret working drawings
- Improve basic communication and writing skills, enhance modes of self-expression, critical thinking and analysis of information

ID317 Class Schedule

Fall 2001

Date

**Lesson Plan and Assignments
(Subject to revision)**

Week 1

Tuesday 8/28

Introduction to Course - Review Syllabus
Tools & Materials,
Read Preface & Handout For Thursday

Thursday 8/30

Discuss Preface and History of American with
Disabilities Act (ADA), What came before ADA?
Why Enforce ADA? Who enforces ADA?
International Building Code 2000
Reading Assignment – Chapter 1 (Leibrock-Terry)
Exterior Planning

Week 2

Tuesday 9/4

Discuss Chapter 1
Review & Examine Materials
Reading Assignment – Chapter 2 (Leibrock- Terry)
Electrical Mechanical & Acoustical Equipment

Thursday 9/6

Discuss Chapter 2
Review & Examine Materials
Reading Assignment- Chapter 3 (Leibrock-Terry)
Ceiling and Wall Finishes

Week 3

Tuesday 9/11

Quiz on Terms and History of ADA
Discuss Chapter 3

Thursday 9/13

Discuss Quiz and Chapter 3
Reading Assignment – Chapter 4 (Leibrock - Terry)
Windows & Doors

Week 4

Tuesday 9/18

Discuss Chapter 4
Examine & Discuss Materials

Thursday 9/20

Class Assignment – Discuss Typical Floor Plan
Reading Assignment – Chapter 5 (Leibrock - Terry)
Floor Covering- Homework – Bring example to
class Tuesday for discussion.

Week 5

Tuesday 9/25

Discuss Examples and Chapter 5
Reading Assignment- Chapter 6 (Leibrock & Terry)
Homework Assignment- Find example for class discussion.

Thursday 9/27

Discuss Examples and Chapter 6
Reading Assignment –Chapter 7 (Leibrock & Terry)
Accessories & Equipment

Week 6

Tuesday 10/2

Field Trip – Location TBA

Thursday 10/4

Discuss observations on field trip.
Reading Assignment –Chapter 7 (Leibrock & Terry)
Kitchens

Week 7

Tuesday 10/9

Discuss Chapter 7
Class Assignment – Design Handicap Kitchen using Handout

Thursday 10/11

Work on Class Assignment - Handicap Kitchen

Week 8

Tuesday 10/16

Discuss Kitchen Designs
Reading Assignment –Chapter 8(Leibrock & Terry)
Bathrooms Toilets and Utility Spaces

Thursday 10/18

Discuss Chapter 8
Class Assignment – Using typical House Plan adjust restrooms and utility spaces for accessibility.

Week 9

Tuesday 10/23 Work on Class Assignment

Thursday 10/25 Work on Class Assignment

Week 10

Tuesday 10/30 Present Bathrooms Designs for discussion.
Reading Assignment – Chapter 10(Leibrock & Terry)
Case Studies

Thursday 11/1 Field Trip TBA
Assignment – Write a two page paper on observations from field trip critique facility on what the owners could do to make the building more accessible.

Week 11

Tuesday 11/6 Discuss papers in class.
Reading Assignment- Articles on Preservation

Thursday 11/8 Discuss articles on Preservation.

Week 12

Tuesday 11/13 Field Trip TBA
Assignment – Write a two- page paper on observations from field trip critique facility on what the owners could do to make the building more accessible and still maintain historic elements of the building. Due 11/20

Thursday 11/15 Discuss observations on field trip.
Paper due Tuesday 11/20

Week 13

Tuesday 11/20 Papers Due- Discussion on Preservation topics.

Thursday 11/22

THANKSGIVING NO CLASS

Week 14

Tuesday 11/27

Design Open Office Plan -To Be Announced

Thursday 11/29

Work on Office Plan

Week 15

Tuesday 12/4

Present Office Plan in Class

Thursday 12/ 6

Review for Final Exam

Week 16

Tuesday 12/10

FINAL EXAM
8:00 a.m. -10:00 a.m.