1. **COURSE ID:** BLDG 735  
   **TITLE:** ADA Building Requirements  
   **Units:** 3.0 units  
   **Hours/Semester:** 48.0-54.0 Lecture hours  
   **Method of Grading:** Grade Option (Letter Grade or P/NP)

2. **COURSE DESIGNATION:**
   
   Degree Credit
   
   Transfer credit: none

3. **COURSE DESCRIPTIONS:**
   
   **Catalog Description:**
   The course will educate students about the history of the Disability Civil Movement and how that movement translated into the development of federal and state legislation regarding accessible design and construction in the built environment. The course will cover the content and field application of current codes, standards and guidelines, including the ABA, ADA, FFHAA, Section 504 and the California Building Code.

4. **STUDENT LEARNING OUTCOME(S) (SLO'S):**
   
   Upon successful completion of this course, a student will meet the following outcomes:
   
   1. Give a short history of the Disabled Rights Movements as well as some major lawsuits and controversies associated with accessible design and cite which Federal and State access legislations have most significantly altered the design and construction of buildings over the last twenty years.
   2. Develop a first hand knowledge of how the various regulations came about and how they effect persons with disabilities on a personal level.
   3. Identify the various government agencies that oversee the regulation, code development and implementation.
   4. Find particular federal regulations and have a working knowledge of the California Building Code access regulations for both publicly and privately funded buildings.
   5. Cite the major differences between the state and federal requirements for key building elements, determine which regulation affords the highest degree of accessibility, and determine which requirements might govern in various building scenarios.
   6. Knowledgeably discuss the design, alteration, and construction of accessible building elements as well as basic compliance inspection techniques. Recognize design deficiencies and determine what remedies may be acceptable.

5. **SPECIFIC INSTRUCTIONAL OBJECTIVES:**

   Upon successful completion of this course, a student will be able to:
   
   1. Give a short history of the Disabled Rights Movements as well as some major lawsuits and controversies associated with accessible design and cite which Federal and State access legislations have most significantly altered the design and construction of buildings over the last twenty years.
   2. Develop a first hand knowledge of how the various regulations came about and how they effect persons with disabilities on a personal level.
   3. Identify the various government agencies that oversee the regulation, code development and implementation.
   4. Find particular federal regulations and have a working knowledge of the California Building Code access regulations for both publicly and privately funded buildings.
   5. Cite the major differences between the state and federal requirements for key building elements, determine which regulation affords the highest degree of accessibility, and determine which requirements might govern in various building scenarios.
   6. Knowledgeably discuss the design, alteration, and construction of accessible building elements as well as basic compliance inspection techniques. The student will be able to recognize design deficiencies and determine what remedies may be acceptable.

6. **COURSE CONTENT:**
   
   **Lecture Content:**
   
   1. The history of the Disabled Rights Movement and the adoption and scoping of major Federal legislation and standards; including ANSI A117.1, Section 504 of the Rehabilitation Act, ABA, UFAS, ADA, FFHAA, Section 504 and the California Building Code.
ADAAG, FFHAA, and the 2010 ADA Standards for Accessible Design.


3. Overview of the code and standard adoption process and which state, federal, and private entities are involved. Overview of which entities have jurisdiction over different buildings and facilities.

4. Overview of the definitions and acronyms specific to the field of accessible design. Study of the accessible building blocks as presented in ANSI A 117.1.

5. Accessibility requirements for new, existing and historical buildings containing public accommodations and commercial interests.


7. General scoping for State and Federal codes

8. Study of the “building blocks” and how they form the basis for all the technical requirements.

9. Elements of an accessible route including floors and levels, doors, ramps and elevators.

10. General site and building elements including accessible parking and stairs and handrails

11. Accessibility requirements for plumbing elements and facilities including water fountains, sinks, bathing and toilet facilities.

12. Accessibility requirements for communication visual and tactile signage pictograms, variable message signs, telephones and detectable warnings.

13. Special rooms and spaces including auditoriums, sports arenas, transient lodging and public housing.


15. Inspection and design techniques and problem solving.

7. REPRESENTATIVE METHODS OF INSTRUCTION:

Typical methods of instruction may include:

A. Lecture

B. Other (Specify): Videos; Guided group discussions; Readings from various state and federal legislations, standards, and codes.; Readings and interactive exercises from various federal, state, and private websites.

8. REPRESENTATIVE ASSIGNMENTS

Representative assignments in this course may include, but are not limited to the following:

Writing Assignments:

Homework assignments on the history of the accessibility movement as well as code and legislation development and content.

Reading Assignments:

Weekly readings from various state and federal legislations, standards and codes, and online websites.

Other Outside Assignments:

Projects involving inspection of accessible elements as well as code application and problem solving techniques.

9. REPRESENTATIVE METHODS OF EVALUATION

Representative methods of evaluation may include:

A. Class Participation

B. Class Performance

C. Class Work

D. Exams/Tests

E. Group Projects

F. Homework

G. Oral Presentation

H. Quizzes

10. REPRESENTATIVE TEXT(S):

Other:

A. 2013 California Building Code Volume 1, California Code of Regulations Title 24, Part 2, Volume 1

B. 2013 California Access Compliance Advisory Reference Manual, California Division of the State Architect's Office (current online version)

C. 2010 ADA Standards for Accessible Design, US Department of Justice (current online version)
