

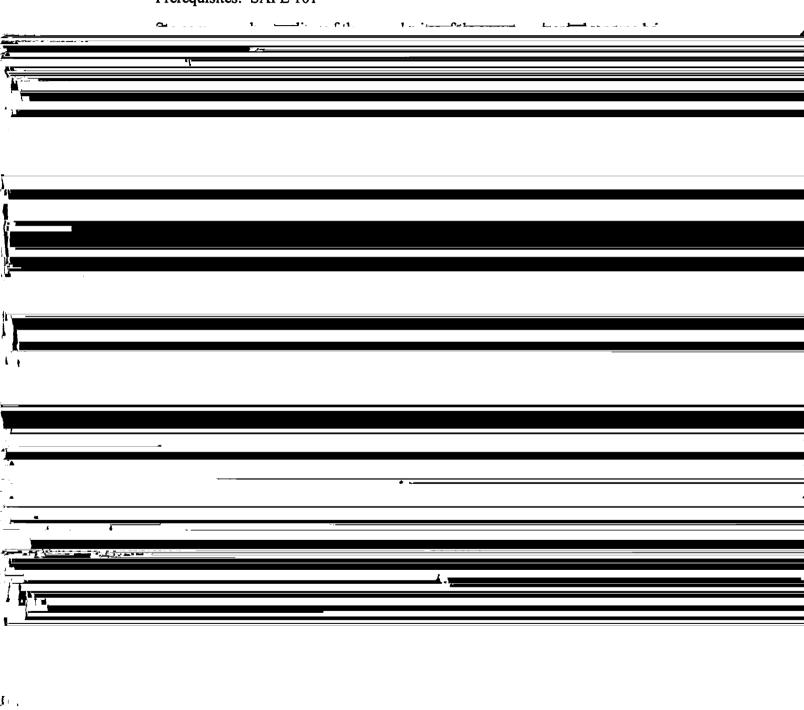
<u> </u>	
i, e.	
	_
Part U	
Part U	Pascrintion of the Curriculum Chango
Part II	
Part U	
	Pescription of the Curriculum Chango
	<u>Paser</u> jyt <u>ion of the Curriculum Chango</u>
	Pascrintion of the Curriculum Chango Syllabus of Record.
1	Syllabus of Record. The new syllabus of record for this revised course is attached in Appendix A.
1	Pascrintion of the Curriculum Chango Syllabus of Record.
1	Syllabus of Record. The new syllabus of record for this revised course is attached in Appendix A.
1	Syllabus of Record. The new syllabus of record for this revised course is attached in Appendix A. A summary of the proposed revisions:

Old Course Description

SAFE 211 Principles of Safety II – Construction Industry

(3c-31-4cr)

Prerequisites: SAFE 101



Appendix A: New Syllabus of Record

Course Title: SAFE 211 Principles of Safety II – Construction Safety 2 class hours 2 bleboure Prerequisite: SAEF 101 3 credit hours Develops an understanding of hazard recognition, evaluation, prioritization and control of critical workplace hazards associated with construction. Students are exposed to the complexity of three dimensional work which exists in the fast paced construction industry by thoroughly examining elements of safety and health administration standards and in various consensus standards. Emphasis is placed on personal protective equipment, electrical safety, scaffolds, fall protection, trenches and confined snace entry		
Prerequisite: SAEF 101 3 credit hours Develops an understanding of hazard recognition, evaluation, prioritization and control of critical workplace hazards associated with construction. Students are exposed to the complexity of three dimensional work which exists in the fast paced construction industry by thoroughly examining elements of safety and health enumerated in the Occupational Safety and Health Administration standards and in various consensus standards. Emphasis is placed on personal protective equipment, electrical safety, scaffolds, fall protection, trenches and confined snace entry	,	
Prerequisite: SAEF 101 3 credit hours Develops an understanding of hazard recognition, evaluation, prioritization and control of critical workplace hazards associated with construction. Students are exposed to the complexity of three dimensional work which exists in the fast paced construction industry by thoroughly examining elements of safety and health enumerated in the Occupational Safety and Health Administration standards and in various consensus standards. Emphasis is placed on personal protective equipment, electrical safety, scaffolds, fall protection, trenches and confined snace entry		
Prerequisite: SAEF 101 3 credit hours Develops an understanding of hazard recognition, evaluation, prioritization and control of critical workplace hazards associated with construction. Students are exposed to the complexity of three dimensional work which exists in the fast paced construction industry by thoroughly examining elements of safety and health enumerated in the Occupational Safety and Health Administration standards and in various consensus standards. Emphasis is placed on personal protective equipment, electrical safety, scaffolds, fall protection, trenches and confined snace entry		
Prerequisite: SAEF 101 3 credit hours Develops an understanding of hazard recognition, evaluation, prioritization and control of critical workplace hazards associated with construction. Students are exposed to the complexity of three dimensional work which exists in the fast paced construction industry by thoroughly examining elements of safety and health enumerated in the Occupational Safety and Health Administration standards and in various consensus standards. Emphasis is placed on personal protective equipment, electrical safety, scaffolds, fall protection, trenches and confined snace entry		
Prerequisite: SAEF 101 3 credit hours Develops an understanding of hazard recognition, evaluation, prioritization and control of critical workplace hazards associated with construction. Students are exposed to the complexity of three dimensional work which exists in the fast paced construction industry by thoroughly examining elements of safety and health enumerated in the Occupational Safety and Health Administration standards and in various consensus standards. Emphasis is placed on personal protective equipment, electrical safety, scaffolds, fall protection, trenches and confined snace entry		
Prerequisite: SAEF 101 3 credit hours Develops an understanding of hazard recognition, evaluation, prioritization and control of critical workplace hazards associated with construction. Students are exposed to the complexity of three dimensional work which exists in the fast paced construction industry by thoroughly examining elements of safety and health enumerated in the Occupational Safety and Health Administration standards and in various consensus standards. Emphasis is placed on personal protective equipment, electrical safety, scaffolds, fall protection, trenches and confined snace entry		
Prerequisite: SAEF 101 3 credit hours Develops an understanding of hazard recognition, evaluation, prioritization and control of critical workplace hazards associated with construction. Students are exposed to the complexity of three dimensional work which exists in the fast paced construction industry by thoroughly examining elements of safety and health enumerated in the Occupational Safety and Health Administration standards and in various consensus standards. Emphasis is placed on personal protective equipment, electrical safety, scaffolds, fall protection, trenches and confined snace entry	Committee CAPP 011 P. 1.1 CC CAPP CO.	
Prerequisite: SAEF 101 3 credit hours Develops an understanding of hazard recognition, evaluation, prioritization and control of critical workplace hazards associated with construction. Students are exposed to the complexity of three dimensional work which exists in the fast paced construction industry by thoroughly examining elements of safety and health enumerated in the Occupational Safety and Health Administration standards and in various consensus standards. Emphasis is placed on personal protective equipment, electrical safety, scaffolds, fall protection, trenches and confined space entry	Times Time, PAFF 7T1 Little of Paters II - Couch	niction Safety 2 class hours
Prerequisite: SAEF 101 3 credit hours Develops an understanding of hazard recognition, evaluation, prioritization and control of critical workplace hazards associated with construction. Students are exposed to the complexity of three dimensional work which exists in the fast paced construction industry by thoroughly examining elements of safety and health enumerated in the Occupational Safety and Health Administration standards and in various consensus standards. Emphasis is placed on personal protective equipment, electrical safety, scaffolds, fall protection, trenches and confined space entry		
Prerequisite: SAEF 101 3 credit hours Develops an understanding of hazard recognition, evaluation, prioritization and control of critical workplace hazards associated with construction. Students are exposed to the complexity of three dimensional work which exists in the fast paced construction industry by thoroughly examining elements of safety and health enumerated in the Occupational Safety and Health Administration standards and in various consensus standards. Emphasis is placed on personal protective equipment, electrical safety, scaffolds, fall protection, trenches and confined space entry		
Prerequisite: SAEF 101 3 credit hours Develops an understanding of hazard recognition, evaluation, prioritization and control of critical workplace hazards associated with construction. Students are exposed to the complexity of three dimensional work which exists in the fast paced construction industry by thoroughly examining elements of safety and health enumerated in the Occupational Safety and Health Administration standards and in various consensus standards. Emphasis is placed on personal protective equipment, electrical safety, scaffolds, fall protection, trenches and confined space entry		
Prerequisite: SAEF 101 3 credit hours Develops an understanding of hazard recognition, evaluation, prioritization and control of critical workplace hazards associated with construction. Students are exposed to the complexity of three dimensional work which exists in the fast paced construction industry by thoroughly examining elements of safety and health enumerated in the Occupational Safety and Health Administration standards and in various consensus standards. Emphasis is placed on personal protective equipment, electrical safety, scaffolds, fall protection, trenches and confined space entry	2	
Prerequisite: SAEF 101 3 credit hours Develops an understanding of hazard recognition, evaluation, prioritization and control of critical workplace hazards associated with construction. Students are exposed to the complexity of three dimensional work which exists in the fast paced construction industry by thoroughly examining elements of safety and health enumerated in the Occupational Safety and Health Administration standards and in various consensus standards. Emphasis is placed on personal protective equipment, electrical safety, scaffolds, fall protection, trenches and confined space entry		
Prerequisite: SAEF 101 3 credit hours Develops an understanding of hazard recognition, evaluation, prioritization and control of critical workplace hazards associated with construction. Students are exposed to the complexity of three dimensional work which exists in the fast paced construction industry by thoroughly examining elements of safety and health enumerated in the Occupational Safety and Health Administration standards and in various consensus standards. Emphasis is placed on personal protective equipment, electrical safety, scaffolds, fall protection, trenches and confined space entry	·	
Prerequisite: SAEF 101 3 credit hours Develops an understanding of hazard recognition, evaluation, prioritization and control of critical workplace hazards associated with construction. Students are exposed to the complexity of three dimensional work which exists in the fast paced construction industry by thoroughly examining elements of safety and health enumerated in the Occupational Safety and Health Administration standards and in various consensus standards. Emphasis is placed on personal protective equipment. electrical safety. scaffolds. fall protection, trenches and confined snace entry		2 lob houses
Develops an understanding of hazard recognition, evaluation, prioritization and control of critical workplace hazards associated with construction. Students are exposed to the complexity of three dimensional work which exists in the fast paced construction industry by thoroughly examining elements of safety and health enumerated in the Occupational Safety and Health Administration standards and in various consensus standards. Emphasis is placed on personal protective equipment. electrical safety. scaffolds. fall protection. trenches and confined space entry		
Develops an understanding of hazard recognition, evaluation, prioritization and control of critical workplace hazards associated with construction. Students are exposed to the complexity of three dimensional work which exists in the fast paced construction industry by thoroughly examining elements of safety and health enumerated in the Occupational Safety and Health Administration standards and in various consensus standards. Emphasis is placed on personal protective equipment. electrical safety. scaffolds. fall protection. trenches and confined space entry		
workplace hazards associated with construction. Students are exposed to the complexity of three dimensional work which exists in the fast paced construction industry by thoroughly examining elements of safety and health enumerated in the Occupational Safety and Health Administration standards and in various consensus standards. Emphasis is placed on personal protective equipment, electrical safety, scaffolds, fall protection, trenches and confined space entry	Prerequisite: SAEF LOT	3 credit hours
workplace hazards associated with construction. Students are exposed to the complexity of three dimensional work which exists in the fast paced construction industry by thoroughly examining elements of safety and health enumerated in the Occupational Safety and Health Administration standards and in various consensus standards. Emphasis is placed on personal protective equipment, electrical safety, scaffolds, fall protection, trenches and confined space entry		
workplace hazards associated with construction. Students are exposed to the complexity of three dimensional work which exists in the fast paced construction industry by thoroughly examining elements of safety and health enumerated in the Occupational Safety and Health Administration standards and in various consensus standards. Emphasis is placed on personal protective equipment, electrical safety, scaffolds, fall protection, trenches and confined space entry		•
workplace hazards associated with construction. Students are exposed to the complexity of three dimensional work which exists in the fast paced construction industry by thoroughly examining elements of safety and health enumerated in the Occupational Safety and Health Administration standards and in various consensus standards. Emphasis is placed on personal protective equipment, electrical safety, scaffolds, fall protection, trenches and confined space entry		
workplace hazards associated with construction. Students are exposed to the complexity of three dimensional work which exists in the fast paced construction industry by thoroughly examining elements of safety and health enumerated in the Occupational Safety and Health Administration standards and in various consensus standards. Emphasis is placed on personal protective equipment, electrical safety, scaffolds, fall protection, trenches and confined space entry		
workplace hazards associated with construction. Students are exposed to the complexity of three dimensional work which exists in the fast paced construction industry by thoroughly examining elements of safety and health enumerated in the Occupational Safety and Health Administration standards and in various consensus standards. Emphasis is placed on personal protective equipment, electrical safety, scaffolds, fall protection, trenches and confined space entry	Davidous on anderstanding of housed managining and	
dimensional work which exists in the fast paced construction industry by thoroughly examining elements of safety and health enumerated in the Occupational Safety and Health Administration standards and in various consensus standards. Emphasis is placed on personal protective equipment. electrical safety. scaffolds. fall protection. trenches and confined space entry		
elements of safety and health enumerated in the Occupational Safety and Health Administration standards and in various consensus standards. Emphasis is placed on personal protective equipment, electrical safety, scaffolds, fall protection, trenches and confined space entry		
standards and in various consensus standards. Emphasis is placed on personal protective equipment, electrical safety, scaffolds, fall protection, trenches and confined space entry		
standards and in various consensus standards. Emphasis is placed on personal protective equipment, electrical safety, scaffolds, fall protection, trenches and confined space entry	elements of safety and health enumerated in the Occupat	ional Safety and Health Administration
equipment, electrical safety, scaffolds, fall protection, trenches and confined space entry	standards and in various consensus standards. Emphasis	is placed on personal protective
11 FAREUR 11 - 8		Menes and commed andce and v
The Marketon of the Marketon o	···	
11. 2/2/2/10 1		
The second of th		F
THE WARRIES IN THE	<u> </u>	
	The Market of the State of the	
· , - ,	<u></u>	
· , - ,		
*····		
		<u></u>
		

	B. Personal Protective Equipment	(2 hours)
	1. Identifying Needs and Limitations	
	2. Maintenance and Inspection Programs	
	3. Selection and Training Programs	
	4. 29 CFR 1926.95107,1910 Subpart I	
	C. Electrical Safety	(4 hours)
÷	1. Principles of Electricity	
	2. Elements of Electrical Equipment	
	3. Choosing Electrical Equipment for Hazardous Location	ons
	4. Lockout / Tagout Procedures5. Electrical Power Transmission	
	6. Wiring and its Associated Hazards	
	7. Switches/Ground Fault Circuit Interrupters	
	8. Electrical Grounding as a Safeguard	
	9. Electrical Test Equipment	
	E. Permit Required Confined Spaces (PRCS)	(3 hours)
,	Properties Congress	
	·-	
•		
<u></u>		
	- *	
<u> </u>		
<i>y</i> -		
· -		
. F		
	3. Permitting4. PRCS Program Elements	
	4. TRes Hogiam Elements	
	Midterm	(1 hour)
	E. Conservat Piccian	(41,)
		(<u>h</u>
		- 1
<i>₽</i>		
• ·· <u>·</u>		
	1 Hazarda with Haista Oppner Derricks	

- 4. Regulations Governing Operations and Hazard Control
- I. Fall Protection and Prevention

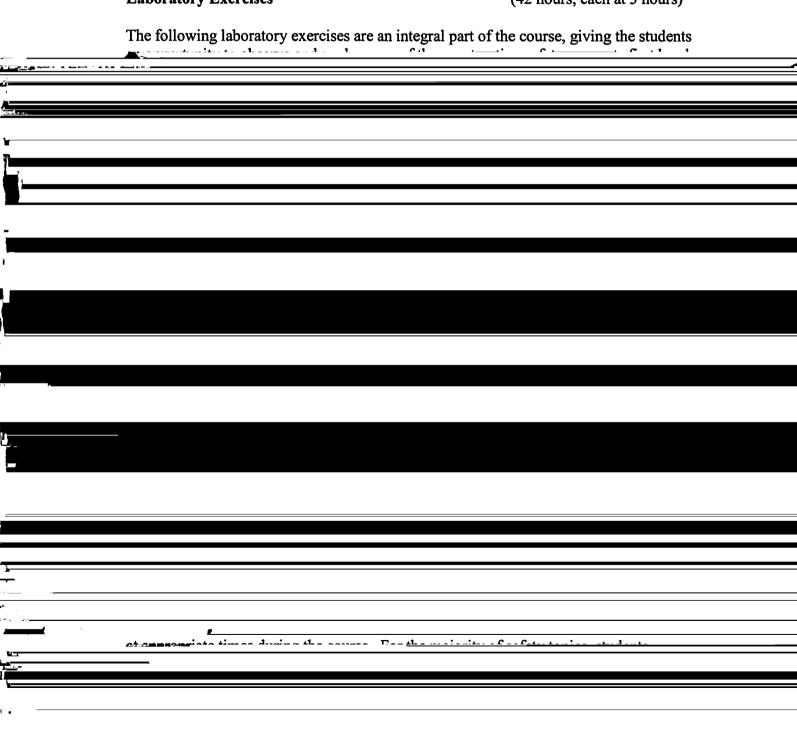
(4 hours)

- 1. Significance of Exposure
- 2. Physics of Falls-The Human Experience
- 3. Options for Protection
- 4. Regulations Governing Fall Protection

Final culminating activity (during final exams week) 2 hours

Laboratory Exercises

(42 hours, each at 3 hours)



Classroom Evaluation

Weighting:

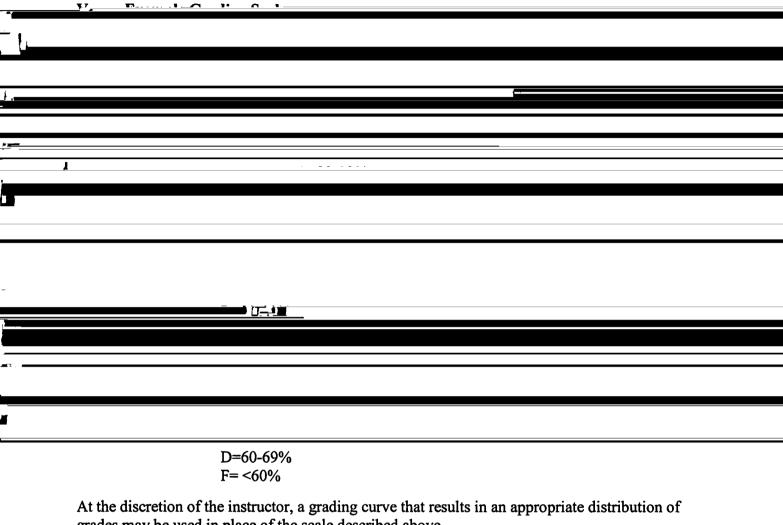
Final	10 %
Quizzes	10 %
Homework	20 %
Participation•	10 %

Laboratory Evaluation

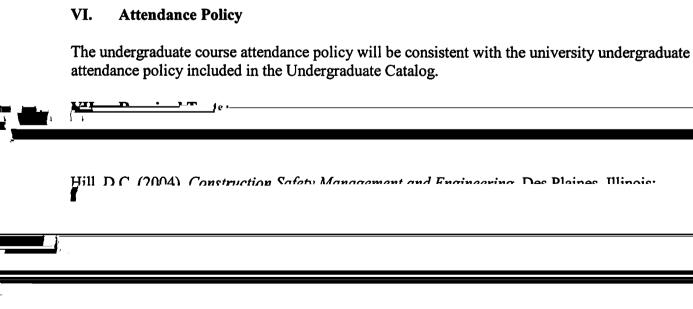
Weighting:

Laboratory Reports / Portfolio	60 %
Laboratory Memos	15 %
Culminating Activity	5 %
Quizzes	10 %
Participation•	10 %

professional appearance, organization, timeliness, evidence of the above three items, evidence of improved work, and a reflective statement.



grades may be used in place of the scale described above.



- Manuel, F, (2008). Advanced Safety Management; Focusing on Z10 and Serious Injury Prevention. Hoboken, New Jersey: John Wiley & Sons.
- McReynolds, R. (2000). Step By Step Guide Book On Home Wiring. Salt Lake City, Utah: Step-By-Step Guide Book Co.
- NFPA (2009). NFPA 70E: Standard for Electrical Safety in the Workplace, 2009 Edition. Quincy, Massachusetts: Courier/Westford.
- OSHA (2002). Scaffold Use in the Construction Industry: OSHA 3150. Small Business Safety

Historical Bibliography

- Alerich, W. & Keljik, J. (1996). Electricity: AC/DC Motors, Controls and Maintenance, Sixth Edition. Albany, NY: Delmar Publishers.
- Alerich, W. & Keljik, J. (1996). Electricity: Power Generation and Delivery, Sixth Edition. Albany, NY: Delmar Publishers.
- Balchin, N. & Castner, H. (1993). Health and Safety in Welding and Allied Processes, Fourth Edition. New York, NY: McGraw-Hill.
- Grimaldi, J. & Simmons, R. (1989). Safety Management. Boston, MA: Irwin.
- Hammer, W. (1989). Occupational Safety Management & Engineering. Englewood Cliffs, CA: Prentice-Hall.
- Herman S. (1999). Delmar's Standard Textbook of Electricity. Second Edition. Albany, NY:

Appendix B: Old Syllabus of Record

	I. Catalog Description	
	Common Tital on CAPP 011 Patronical and effective and all on Control of Control on Contr	
- I		
· ·		
_		
-		2 along haven
	Prerequisites: SAFE 101	3 class hours 3 lab hours
		4 semester hours
		(3c-31-4sh)
	Stresses an understanding of the complexity of industrial hazard control by the examining elements of safety and health enumerated in the Occupational Safet	y and Health
-		
1	- A.	
1		

III. Course Outline

A. Occupational Safety and Health Standards

(3 hours)

2. Enforcement Methods

- 3. Computer Search Methods
- 4. Interpretation of Standards
- B. Personal Protective Equipment

(3 hours)

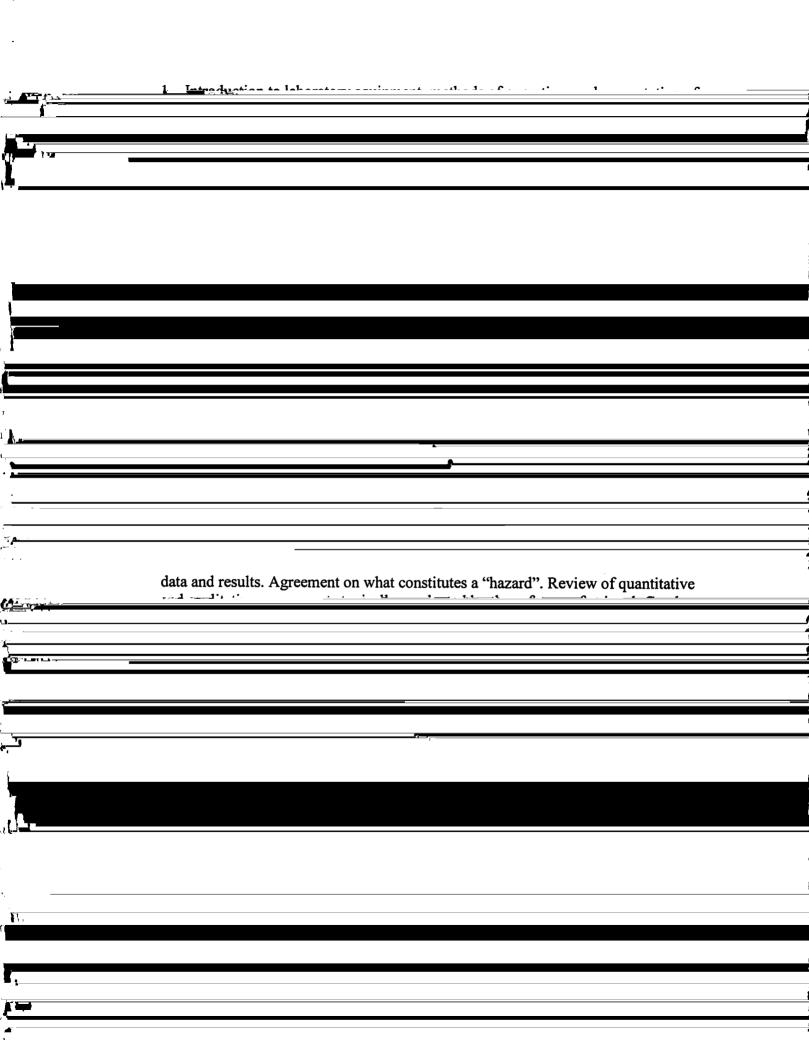
- 1. Identifying Needs
- 2. Maintenance and Inspection Programs
- 3. Training Programs
- 4. 1926.95-.107,1910 Subpart I
- C. Electrical Safety

(6 hours)

- 1. Principles of Electricity
- 2. Elements of Electrical Equipment

- 4. Lockout/tagout Procedures
- 5. Electrical Power Transmission
- 6. Wiring and its Associated Hazards

Midterm Examination (1 hour) K. Trenching (4 hours) 1. Significance of Exposure 2. Mechanics of Collapse 3. Soil Classifications 4. Safeguarding-Sloping, Shoring, Shielding 5. Regulations Governing Operations L. Scaffolds and Ladders (4 hours) 1. Types of and Use of Scaffolds 2. Identifying Typical Hazard Exposures 3. Regulations Governing Operations and Hazard Control M. Fall Protection (4 hours) 1. Significance of Exposure 2. Physics of Falls-The Human Experience 3. Options for Protection 4. Regulations Governing Fall Protection J. Walking and Working Surfaces (2 hours) 1. Significance of Exposure to Employees and Public 2. Coefficient of Friction 3. Choosing Floor Materials 4. Stairways, Ramps, Catwalks K. Special Industry Machinery and Processes (3 hours) 1. Introduction to Robotic Safety 2. Saw Mills and Logging 3. Meat Cutting



IV. Evaluation Methods

The faculty person assigned to teach this course could be one of several faculty within the Safety

used by one of those faculty:

Classroom Evaluation

Weighting:

Midterm exam	20%
Final	20%
Group Project	20%
Quizzes/Tests	25%
Assignments	10%
Participation*	5%

^{*}This includes but is not limited to: individual participation in whole class and small group discussions and other brief class presentations

No make-up examinations will be given except in the case of illness (confirmed in writing by the infirmary or MD) or a documented (in writing) family emergency. Regardless of reason, absolutely no make-up exams will be given unless the instructor is contacted prior to the

Grading Scale:

A=90-100%

B=80-89%

C=70-79%

D=60-69%

F = < 60%

Grading will be based on the portfolio's professional appearance, organization, timeliness, evidence of the above three items, evidence of improved work, and a reflective statement.

grades may be used in place of the scale described above.

V. Attendance Policy

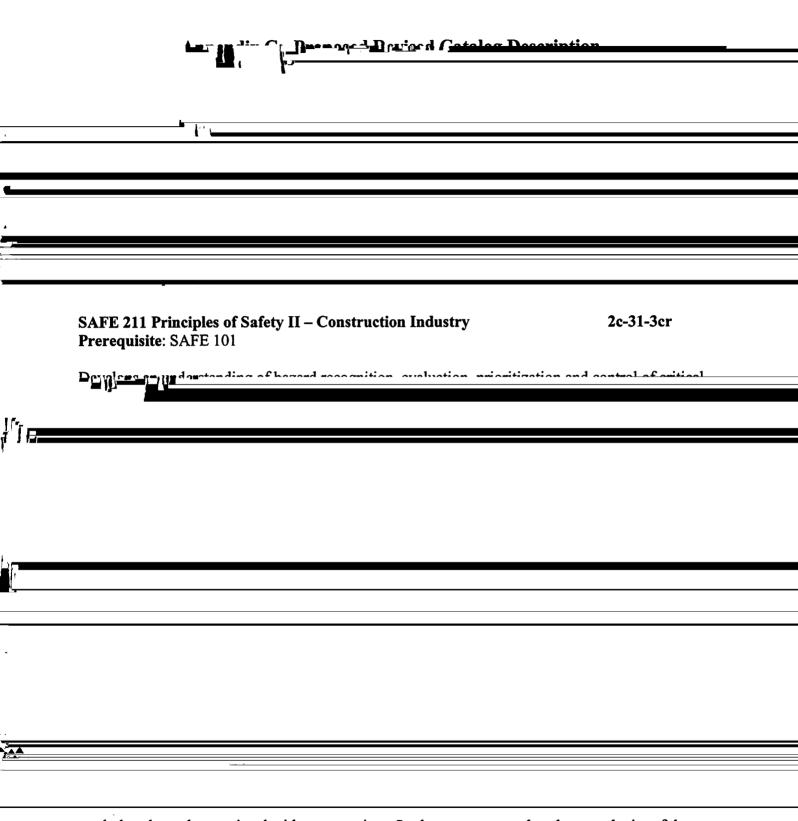
Although there is no formal attendance policy for this class, student learning is enhanced by regular attendance and participation in class discussions and the university expects all students to attend class.

VI. Required Text

Laing, Patricia M., Editor. (2001). <u>Accident Prevention Manual for Business and Industry – Engineering & Technology</u>, 12th Edition. Chicago, IL: National Safety Council.

Herman S. (1999). Delmar's Standard Textbook of Electricity, Second Edition. Albany, NY: Delmar Publishers.

-



workplace hazards associated with construction. Students are exposed to the complexity of three dimensional work which exists in the fast paced construction industry by thoroughly examining elements of safety and health enumerated in the Occupational Safety and Health Administration standards and in various consensus standards. Emphasis is placed on personal protective equipment, electrical safety, scaffolds, fall protection, trenches and confined space entry including rescue. Practical application of associated hazards and their control strategies is accomplished in laboratory sessions.