

II. Description of the Curriculum Change

1. New Syllabus of Record

Syllabus of Record

I. Catalog Description

SAFE 100 The Science of Living Safety

3 lecture hours

0 lab hours

3 credits

(3c-0l-3cr)

Prerequisites: Non Safety, Health and Environmental Applied Sciences Major and Minor

Examines the relevance, impact and role that safety plays in the world today, especially

in the workplace. Includes the historical and scientific development of safety and health regulations, the impact of injury on society, identification of hazards and hazard controls in specific industrial processes, and the personal and ethical responsibilities that individuals have for the safety and health protection of themselves, others and their

community.

II. Course Outcomes and Assessment/Expected Undergraduate Student Learning

Rationale: Through the use of a guided worksheet, students will examine the historical and scientific reasons as to why a particular section(s) of the OSHA regulations was passed (hypothesis) and how its passage has affected workplace safety today (current injury results data compared with historical injury results data). The intent is for the student to prove or disprove how these specific regulations/events are concretely affecting the reduction of hazards and risks in the workplace today as determined by the

decrease (or increase) in current injury rates compared to historical rates (the student will have to track down these rates). Students are encouraged to include additional outcome measures other than injury rates to prove their hypothesis.

Objective 3: Describe personal responsibilities for safety and health promotion for one's self, others and the community.

Integrated Student Learning Outcomes 2 and 3: Empowered and Responsible

III Course Outline

A. SAFETY PERSPECTIVES (9 hrs)

1. Historical
2. Scientific
3. Sociological
4. Economical
5. Psychological
6. Ethical
7. Literary: *The Jungle* by Upton Sinclair
8. Cinematic: *Norma Rae*, *Erin Brockovich*, and *Silkwood*
9. Diversity and social justice

B. SAFETY IN THE WORKPLACE: HISTORY OF REGULATIONS (6 hrs)

1. The need for safety and health standards
2. Basic safety and health terms used in the workplace
3. History of occupational safety and health including the Occupational Safety and Health Act of 1970
4. The changing workplace such as minorities, violence, and drugs

C. SAFETY IN THE WORKPLACE: IDENTIFYING AND EVALUATING HAZARDS (7 hrs)

1. Acquiring and evaluating hazard information
2. Human factors and work environments
3. Accident investigation and analysis

6. Personal responsibility
7. Societal responsibility

- 7. Travel
- 8. Personal responsibility
- 9. Societal responsibility

F. FUTURE OF SAFETY AND HEALTH REGULATIONS (2 hrs)
1. Lessons learned
2. The future

G. Final examination (2 hrs)

IV. Evaluation Methods

The final grade for the course will be determined from assignments and examinations. For example:

20% Daily Safety Log Assignment

A daily log will be kept by students. This log will describe how safety interacts with the world around them on a recurring and relevant basis. Information for this log can be derived from a number of sources, such as television news reports

newspapers, magazines, internet resources, social media sites, journal articles, and books.

20% Regulation Analysis and Application Assignment

Using a guided worksheet, students will determine the historical and scientific

reasons why a particular section of the OSHA regulations was passed and how its

Englewood Cliffs, NJ: Prentice-Hall, Inc.

~~Polish, NC & Connor, HP, 1992. Health and Safety in Molding and Allied Processes.~~

Fourth Edition. New York: McGraw-Hill, Inc.

BNA Books, 1973. *The Consumer Product Safety Act*. Washington, DC: BNA Books, 1973.

Brauer, RL, 1994. *Safety and Health for Engineers*. New York: Van Nostrand Reinhold.

Brown, DD, 1976. *Systems Analysis and Design for Safety*. Englewood Cliffs, NJ.

Colling, DA, 1990. *Industrial Safety Management & Technology*. Englewood Cliffs, NJ: Prentice-Hall, Inc.

Dickerson, FR, 1968. *Product Safety in Household Goods*. Bobbs-Merrill Co., New York, NY.

Grimaldi, J. & Simmons, R, 1989. *Safety Management*. Boston, MA: Irwin.

Hammer, W, 1989. *Occupational Safety Management & Engineering*. Englewood Cliffs, NJ: Prentice-Hall.

Laing, PM, Editor, 1991. *Supervisor's Safety Manual*, Seventh Edition. Chicago: National Safety Council.

~~Le Day, J. Editor, 1986. Introduction to Occupational Health and Safety. Chicago:~~

SAFE 100 WORKPLACE SAFETY TODAY AND TOMORROW

II. Description of the Curriculum Change

2 Summary of Proposed Revisions

- Objectives for the course were revised.

Course outline and description were slightly changed

- Course outline was revised.
- Assignments were changed.
- Course evaluation method was changed.
- Required text for class (the work of fiction) was changed.
- Bibliography was updated.

3 Justification of Proposed Revisions

Objectives were changed to align with the new liberal studies requirements for expected

Sample Assignment for a Liberal Studies Course

Industry or Profession-Specific Hazard Analysis and Control Assignment

Length: 2000 – 2500 words

Double-spaced

Assignment worth 25% of grade

Write an essay on the safety hazards and controls for a specific industry or profession of

interest to you (e.g., potential future profession or industry that you would like to work in).

In your essay, provide the following:

1. Your choice of industry or profession.

2. The documented hazards associated with your chosen industry or profession.

3. The documented controls associated with your chosen industry or profession.

4. The safety and health regulations relevant to your chosen industry or profession.

5. An evaluation by you as to how safe you believe your chosen industry or profession to be.

6. Given the above information, how could you, your professional organizations, your

Grading Criteria for Assignment

Criteria	Points Awarded				
Page Length	2 points		1 point		0 point
	Essay falls within the 2000 – 2500 word limit		Essay consists of 1000 -1999 words		Essay is less than 1000 words
Organization	4 points	3 points	2 points	1 point	0 point
	Essay is well structured and organized in a logical manner as	Essay is generally well structured and organized but	Essay is not generally well structured and organized with	Essay is poorly structured and	Essay is very poorly structured; essay appears

Safety Regulations	4 points	3 points	2 points	1 point	0 point
	The list of safety regulations are	The list of safety regulations are accurate and	The list of safety regulations are somewhat	The list of safety regulations are	The list of safety regulations are not

LIBERAL STUDIES COURSE APPROVAL GENERAL QUESTIONS

A. This course will typically be taught single session, but over multiple terms. A number of instructors could teach this course. All instructors involved in teaching the course will meet every year to exchange syllabi, discuss possible revised content (in keeping with advances in the discipline), and review course objectives, guidelines and grading criteria. Such meetings and exchanges will ensure maintenance of basic equivalency.

B. This course specifically assesses the contributions and the role that diversity places in the workplace. This will be achieved in part by discussing videos that highlight woman or minority contribution to health, or safety, or the environment protection such *Silkwood*, (1983) directed by Mike Nichols (1993); *Norma Rae*, directed by Martin Pitt (1979) and *Erin Brockovich*, directed by Steven Soderbergh (2000). Diversity is also covered in discussing how regulations and requirements are set to protect a diverse workforce.

C. *John's Diner's The Jungle* will be assigned as supplemental reading in this

Part II 4 Old Syllabus of Record

Syllabus of Record

I. Catalog Description

SAFE 100 Workplace Safety Today and Tomorrow

3 credits
3 lecture hours
0 lab hours
(3c-0l-3sh)

Prerequisite: Non-Safety Course Major

Introduces workplace safety, health and environmental aspects to students with

2. Areas of responsibility in safety and health
3. Employees' behavior and safety
4. Training of employees
5. Personal protective equipment
6. Emergency planning

IDENTIFYING and EVALUATING HAZARDS IN THE WORKPLACE (9 hours)

1. Acquiring and evaluating hazard information
2. Human factors and work environments

4. Reporting, record-keeping and costs
5. Health stressors

D. HAZARD CONTROLS IN SELECTED INDUSTRIES (9 hours)

1. Electrical and electronic
2. Chemical processing
3. Metal product fabrication and finishing

4. Technology manufacturing

E. FUTURE OF SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS (6 hours)

1. Lessons learned
2. The future

V. Required textbooks, supplemental books and readings

Textbook

No textbook is required for this course. The instructor will provide handouts and references.

Readings

book approved by the instructor. A book can be approved by the instructor if it allows the student to find ideas for developing substantial arguments or themes

VI. Special resource requirements

Each student will be expected to purchase a book (from approved list) as part of

the reading requirements.

VII. Bibliography

Anton, Thomas John. Occupational Safety & Health Management. Second Edition. New York: McGraw-Hill, Inc., 1992.

Ashfahl, C. Ray. Industrial Safety & Health Management. Second Edition.

Ayers et al. Environmental Science and Technology Handbook. Rockville, MD:

Government Institutes, Inc. 1994.

Balchin, Nigel C. and Castner, Harvey R. Health and Safety in Welding and Allied Processes. Fourth Edition. New York: McGraw Hill, Inc. 1992.

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Lowrance, William. Of Acceptable Risk. Los Altos, CA: William Kaufmann Inc.

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Society of Manufacturing Engineers. Tool and Manufacturing Engineer's Handbook, Vol. 5. Dearborn, MI: SME, 1988.

Yankee, H.W. Manufacturing Processes. Englewood Cliffs, N.J.: Prentice Hall

ANSWERS TO PART IV

A. This is not a multiple-section course, hence there is no need to develop departmental

guidelines, assignment of responsibility to a coordinating committee, exchange and
discussion of individual instructor syllabi, periodic meetings among instructors, etc.

B. One of the objectives of this course is assessing the contributions and role of

Checklist for Liberal Studies Electives Course Proposals

1. Review the Criteria for a Liberal Studies Elective – note how the competencies are to be handled.
2. Follow the 2012 Undergraduate Curriculum Handbook for new (p. 20-27) or revised courses (p. 15-19).

4. Course Outcomes and Assessment (Section II, The Syllabus of Record - p. 73 and 85 in UBA/UC Handbook) map to the three required Liberal Studies

Part III Letters of Support or Acknowledgment

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