Date:

02-39 f Apr 2/4/03 Apr 2/25/03

osal Cover Sheet – University-Wide Undergraduate Curric Committee Curriculum Pro

Contact Person

(check all that apply)

New Course Course Prefix Ch

Current Course prefix, number and full title Proposed course prefix, number and full t

Course Desi

10/19/02

Department Cha

(include title)

Course Revision: SAFE 412 Hazard Prevention Management

Part II. Description of the Curriculum Change

1. Syllabus of Record.

   The new syllabus of record for this revised course is attached in Appendix A.

2. A summary of the proposed revisions:

   a. Remove the following specific content areas which are covered in existing

3. Justification/rationale for the revision.

The above changes were based on recommendations from the department's advisory committee meeting and the Department Curriculum Committee review meeting on May 3, 2002. During this meeting the syllabus of SAFE 412 was reviewed as well as

Appendix A: New Syllabus of Record

I. Analyze the hazardous behaviors that were caused by lack of training and write

F. Cause and Effect Sequencing (3 hours)

1. Fishbone Diagrams
2. Run Charts
3. Control Charts
4. Pareto Charts
5. Scatter Diagrams
6. Force Field Analysis
7. Universal Model
8. Pope's Systems Safety Management

G. Hazardous Condition Prevention (2 hours)

1. Systems Safety Management Loss Incident Sequence Model
2. Using Inspections
3. Measuring the Effectiveness of Programs

H. Cause Analysis of Hazardous Behavior [redacted]

L. Safety Program Evaluation (3 hours)

1. OSHA and MSHA Injury Rates
2. Safe-T-Score Technique
3. Criteria to Measure Program Effectiveness.

M. Management Performance Evaluation (3 hours)

1. Data to Measure Individual Managers for Accountability Purposes (Incident Frequency and Severity, Timeliness and Completeness of Loss Incident Investigations, Follow Through of Corrective Action and Departmental Hazard Prevention Procedure Development)

Title of Laboratory Exercises	# of Hours	Lecture Units Covered

V. Example Grading Scale

The grading scale is as follows:

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

At the discretion of the faculty member, a grading curve that results in appropriate

Appendix B: Old Syllabus of Record

I. Catalog Description

SAFE 412 Hazard Prevention Management

4 credits
3 lecture hours
3 laboratory hours
(3c-31-4cr)

Prerequisites: MATH 217, MGT 311, Jr Standing

Teaches various safety management techniques to identify and prevent the occurrence of

G. given data about hazardous conditions at a company and the organization of that company, determine who was responsible for allowing the condition to be created in the workplace and state the action needed to prevent recurrence of the hazardous condition and who will take action. Also, using the same data, measure the

III. Course Outline

A. Scope of the Safety Function (1 hours)

Covered is the scope of the safety function, injury prevention, occupational illness

needs are determined, developing program goals is taught; the goals being the removal of

J. Training to Prevent Hazardous Behavior (5 hours)

Training methods to prevent hazardous behavior caused by lack of training are presented.

brokers, functions of insurance companies, rating bureaus, workers compensation insurance, insurance rating, and litigating workers compensation claims.

P. Establishing a Risk Management Program (3 hours)

[redacted]

IV. Evaluation Methods

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

V. Required Textbooks, Supplemental Books and Readings

Required and supplemental readings will come from the following list:

VIII. Historical Bibliographies

Chekanski, R. Philip. "A Loss Control Information System: Techniques for Its Implementation," Occupational Hazards – Focus Section: Journal of the National Safety Management Society, April 1974.

Nadler, Carol. "The Work Order System: Key to Effective Maintenance Management."

Appendix C: Catalog Description

SAFE 412 Hazard Prevention Management (3c-31-4cr)

Prerequisites: MATH 217 and MGMT 311

Examine various safety management techniques to identify and prevent the occurrence of [illegible] hazardous behavior and conditions. Develop methods capable of extracting accurate, meaningful data, methods of collecting, codifying [illegible] incident information, and utilizing data retrieval systems to be used in cost/benefit decision making for hazard prevention, safety program, and performance [illegible]