

**CENTRAL WASHINGTON UNIVERSITY  
INDUSTRIAL AND ENGINEERING TECHNOLOGY  
SAFETY EDUCATION**

**SED 480: Teaching Safety Education: K-12, 3 credits**

**FACULTY INFORMATION:**

Instructor: Scott Calahan  
Office: Hogue Technology Building, Room 206  
Office Hrs. 2:00 PM – 2:50 PM M – R and by appointment  
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**COURSE PREREQUISITES:** SED 180 or current enrollment or permission of Instructor

**COURSE DESCRIPTION:** Concepts, methods, techniques and instructional materials of safety education integrated into the K-12 school curriculum, including student and teacher rights and responsibilities

**COURSE PURPOSE:** Prepare facilitators of learning for the integration of safety within the K-12 curriculum in public and private schools.

**TEXT BOOKS AND OTHER REQUIRED MATERIALS:**

1. Instructor handouts
2. Professional journals
3. Internet sources related to K-12 safety
4. AAA resource and curriculum materials
5. CD and Video Tape resources
6. Local, State and Federal agencies related materials

**Learner Outcomes:**

1. Explain the social and economic impact of accidents on society.
2. Identify and discuss risk cause and control factors.
3. Discuss the psychological and physiological characteristics related to safety for K-12 students.
4. Identify and explain school and teacher and student responsibilities for safety before, during and after and school.
5. Discuss current methods for school safety in the public schools.
6. Provide examples of materials related to K-12 safety from at least 5 agencies.

**Assessment:**

1. Assessment through midterm exam.
2. Students will provide examples of risk cause and control factors.
3. Assessment on midterm exam.
4. Students will discuss teacher, student and school responsibilities in large group on exam.
5. Interview school principals and submit a review of responses for class instructor.
6. Contact 5 agencies and submit examples of materials received and share how they

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| <p>7. Provide instructional plane for 5 class sessions designed to teach safety education. Teach one lesson to peers and/or actual school children.</p> <p>8. Explain the process for integration of safety within the K-12 school curriculum.</p> <p>9. Discuss liability issues as related to school safety.</p> <p>10. Evaluate three examples of safety instructional materials designed for K-12 students.</p> | <p>could be used to facilitate learning.</p> <p>7. Submit to course instructor for assessment based on required format and presentation. Students will actually teach one lesson.</p> <p>8. Assessment through final exam.</p> <p>9. Assessment through final exam.</p> <p>10. Assessment based on evaluation format.</p> |
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**COURSE OUTLINE:**

**1. Social and Economic Impact of Accidents**

- 1.1 Accident statistics
- 1.2 Accident rate trends
- 1.3 Safety regulations (SPI, DOT, OSHA, WISHA, EPA, FDA, CPS)

**2. Risk Control Factors:**

- 2.1 Risk Defined
- 2.2 Voluntary and involuntary risks
- 2.3 Individual tendencies and susceptibility
- 2.4 Judging risks
- 2.5 Hazard control
- 2.6 Assumed and acceptable risks
- 2.7 Reducing risks related to school age children

**3. Psychological and Physiological Characteristics related to Safety**

- 3.1 Population in general
- 3.2 Age factors for K-12 children
- 3.3 Child abuse considerations
- 3.4 Positive vs negative approaches to safety

**4. School and Teacher Safety Responsibilities**

- 4.1 State and federal legislation and regulations
- 4.2 Teacher liability
- 4.3 Institutional liability
- 4.4 Risk management factors in the public schools
- 4.5 Treatment by teachers
  - 4.5.1 First aid
  - 4.5.2 Medical treatment
  - 4.5.3 Accident amelioration
  - 4.5.4 Accident reporting
  - 4.5.5 Emergency action plan
  - 4.5.6 Child abuse cases

## **5. Resources For Safety Education**

### 5.1 Local administrative organization of the safety function

- 5.1.1 Services
- 5.1.2 Curricular
- 5.1.3 Extra-curricular

### 5.2 Curricular programs

- 5.2.1 Pedestrian
- 5.2.2 Bicycle
- 5.2.3 Car passenger
- 5.2.4 Vehicle operator
- 5.2.5 School bus
- 5.2.6 Youth organizations (SAFTYE, FFA, SADD etc)
- 5.2.7 Drug and alcohol
- 5.2.8 Sports
- 5.2.9 Laboratory and shops
- 5.2.10 Child abuse
- 5.2.11 Latch-key
- 5.2.12 Fire Safety
- 5.2.13 Security of students and school facilities

## **6. Integration Of Safety In The School Curriculum**

### 6.1 The concept and rationale

### 6.2 Methods and techniques

- 6.2.1 Mini lessons
- 6.2.2 Technology advances
- 6.2.3 Contests
- 6.2.4 Modeling by teacher
- 6.2.5 Part of career education
- 6.2.6 Projects
- 6.2.7 Community activities
- 6.2.8 Other

## **7. Resources For Integrating Safety Into The Curriculum**

- 7.1 Traffic Safety Agencies
- 7.2 Local, State and Federal Agencies
- 7.3 Private and public organizations

## **8. Development of Safety Curriculum Materials For Presentation**

- 8.1 Review curriculum and safety literature to identify appropriate segments to integrate into K-12 curriculum
- 8.2 Identify safety objectives and instructional activities for integration into K-12 curriculum
- 8.3 Develop and organize safety materials into instructional plans
- 8.4 Evaluate safety materials and resources
- 8.5 Present assigned topic

**INSTRUCTIONAL METHODS:**

1. PowerPoint Presentations
2. Small and large group activities
3. Out-of-class assignments
4. Student teaching demonstrations

**GRADING:**

1. Midterm Exam (25%)
  2. Final Exam (25%)
  3. Development of instructional plans for class presentation \*
  4. Presentation (30%)
  5. Attendance and participation \*
  6. Bulletin board display and non print media material \*
- \*Other assignments (20%)

<b>A</b> = 95-100%	<b>B+</b> =87-89%	<b>C+</b> = 77-79%	<b>D+</b> = 67-69%,	<b>F</b> = below 60%
<b>A-</b> = 90-94%	<b>B</b> =83-86%	<b>C</b> = 73-76%	<b>D</b> = 63-66%,	
	<b>B-</b> =80-92%	<b>C-</b> = 70-72%	<b>D-</b> = 60-62%	

**ADA STATEMENT:**

Students who have special needs or disabilities that may affect their ability to access information and or materials presented in this course are encouraged to contact the instructor or Mr. Robert Harden, AD Compliance Officer, Director, ADA Affairs and Students Assistance on campus at 963-2171 for additional disability related education accommodations.