

I. COURSE DESCRIPTION:

This course will provide an overview of emergency medical care and the theory required by an individual who is first on the scene of an emergency. The information provided will particularly assist individuals interested in careers such as fire service, emergency care, law enforcement, civil and industrial personnel.

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

This course will provide the student with the opportunity to refine their generic learning outcomes in accordance with the objectives for graduates of the Law and Security Administration Course. These specific outcomes include:

1. Communicate clearly, concisely and correctly in the written, spoken and visual form that fulfills the purpose and meets the needs of audiences.
2. Reframe information, ideas and concepts using the narrative, visual, numerical and symbolic representations which demonstrate understanding.
3. Interact with others in groups or teams in ways that contribute to effective working relationships and the achievement of goals.
4. Evaluate her or his own thinking throughout the steps and processes used in problem solving and decision making.
5. Collect, analyze and organize relevant and necessary information from a variety of sources.
6. Evaluate the validity of arguments based on qualitative and quantitative information in order to accept or challenge the findings of others.
7. Take responsibility for her or his own actions and decisions.
8. Adapt to new situations and demands by applying and/or updating her or his knowledge and skills.

Course Learning Outcomes

1. ***Emergency Pre-Hospital Care System***
 - a. describe the pre-hospital emergency care system
 - b. identify the roles of an emergency care person in the delivery of emergency medical services
 - c. identify the members of the integrated pre-hospital care team and describe their roles and responsibilities
 - d. identify the components of the Emergency Response System
 - e. identify the role and responsibilities of an emergency care person
 - f. describe the applicable ethical and medico-legal aspects related to providing emergency care in the province of Ontario
 - g. describe the information that may be required to be conveyed by an emergency care person

- h. describe the procedure for taking a victim history
- i. describe the procedure for reporting information to advanced emergency care and police personnel
- j. describe important points in communicating with victims, families and co-workers, particularly in crisis situations

2. *Anatomy and Physiology Patient Assessment*

- a. describe the structural organization of the human body
- b. identify and describe the major body systems and functions
- c. identify and describe major body organs
- d. define common anatomical terminology
- e. define the purpose of the victim assessment process
- f. describe the methods for obtaining vital signs
- g. describe the procedure for conducting a primary survey
- h. describe the process for conducting a secondary survey

3. *Common Medical Emergencies*

a. Respiratory

- Describe respiratory assessment
- Describe respiratory arrest, hyperventilation, obstruction of the upper airway, chronic obstructive lung disease, asthma and allergic reactions, acute pulmonary edema
- Describe the signs and symptoms of respiratory distress
- Describe the treatment and management of common respiratory emergencies
- Describe the equipment and techniques used in airway management
- Describe the signs and symptoms of chest injury
- Describe the management of a patient with a chest injury
- Describe signs, symptoms and emergency care procedures for a flail chest or rib fractures

b. Cardiovascular

- Describe the assessment of the cardiovascular system
- Describe the causes, signs, symptoms and management of angina
- Describe the causes, signs, symptoms and management of myocardial infarction
- Describe the causes, signs, symptoms and management of congestive heart failure
- Describe the causes, signs and symptoms and management of cardiac arrest
- Describe the causes, signs and symptoms and management of shock
- Describe the causes, signs and symptoms and management of bleeding
- Describe the causes, signs and symptoms of a stroke

c. Neurological

- Describe the assessment of the nervous system
- Describe the causes, signs and symptoms and management of seizures
- Describe the causes, signs and symptoms and management of head injuries
- Describe the causes, signs and symptoms and management of spinal injuries

d. Muscular-Skeletal

- Describe the assessment of fractures
- Describe the general principles of splinting
- Describe the appropriate type of splint for various emergency situations
- Describe the appropriate care of the patient with a fracture

e. Abdominal

- Describe the assessment of the abdomen
- Describe the causes, signs and symptoms and care of the patient with acute abdominal distress

f. Obstetrical Emergencies

- Describe the procedure to assist a mother with emergency childbirth
- Describe the complications of abnormal delivery

g. Diabetes

- Describe the signs and symptoms and treatment of diabetic emergencies

h. Anaphylaxis

- Describe the signs and symptoms and treatment for anaphylaxis

i. Poisons and Overdoses

- Describe the causes, signs and symptoms and care of victims of poisons and overdoses

j. Communicable Diseases

- Describe common communicable diseases likely to be encountered by the emergency care team
- Describe preventative measures to be used
- Describe the care of equipment and decontamination procedures

4. Management of Emergency Conditions

a. Disaster

- Describe the roles and inter-agency roles involved with disaster planning
- Describe the steps in disaster planning

b. Triage

- Describe the system of triage
- Describe the triage categorization system
- Describe the process of triage at a mass casualty incident
- Describe the methods for moving and handling sick and injured patients

c. Injuries Resulting from Heat and Cold

- Describe the emergency management of burns
- Describe the signs, symptoms and treatments for heat illness
- Describe cold injuries and their treatment

d. Behavioural/Psychological Emergencies

- Identify the principles of communicating with patients and families
- Identify common types of conditions encountered in emergency situations
- Describe special considerations in managing patients who are victims of rape, crime, suicide or death

5. Ropes and Knots

- Types of rope
- Strength of rope
- Care of rope
- Terminology
- Tie the following knots
 - Square
 - Clove hitch
 - Bowline
 - Timber hitch
 - Round turn and two half hitches
 - Double sheet bend
 - Figure-of-eight

6. Rescue Carries

- One-rescuer carries
 - Pick-a-back
 - Cradle carry
 - Human crutch
- Two-rescuer carries
 - Chair carry
 - Two-hand seat
 - Four-hand seat
 - Blanket lift
 - Drag carry

III. TOPICS:

1. Emergency Pre-hospital Care System
2. Anatomy and Physiology Patient Assessment
3. Common Medical Emergencies and Patient Care
4. Management of Emergency Conditions
5. Ropes and Knots
6. Rescue Carries

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

N/A

V. EVALUATION PROCESS/GRADING SYSTEM:

Students will be evaluated in the following manner:

Quizzes	30%	(6)
Scenario's	20%	(4)
Mid Term	20%	
Final	30%	
Total	100%	

Note: There is no specific grade assigned to attendance, however scenario testing and quizzes will be completed in class. Make-up testing will only be provided for those with doctor's notes.

The following semester grades will be assigned to students in postsecondary courses:

<u>Grade</u>	<u>Definition</u>	<u>Grade Point Equivalent</u>
A+	90 - 100%	4.00
A	80 - 89%	3.75
B	70 - 79%	3.00
C	60 - 69%	2.00
R (Repeat)	59% or below	0.00
CR (Credit)	Credit for diploma requirements has been awarded.	
S	Satisfactory achievement in field placement or non-graded subject areas.	

U	Unsatisfactory achievement in field placement or non-graded subject areas.
X	A temporary grade. This is used in limited situations with extenuating circumstances giving a student additional time to complete the requirements for a course (see <i>Policies & Procedures Manual – Deferred Grades and Make-up</i>).
NR	Grade not reported to Registrar's office. This is used to facilitate transcript preparation when, for extenuating circumstances, it has been impossible for the faculty member to report grades.

VI. SPECIAL NOTES:Special Needs:

If you are a student with special needs (e.g. physical limitations, visual impairments, hearing impairments, or learning disabilities), you are encouraged to discuss required accommodations with your instructor and/or the Special Needs office. Visit Room E1204 or call Extension 493, 717, or 491 so that support services can be arranged for you.

Retention of course outlines:

It is the responsibility of the student to retain all course outlines for possible future use in acquiring advanced standing at other postsecondary institutions.

Plagiarism:

Students should refer to the definition of “academic dishonesty” in *Student Rights and Responsibilities*. Students who engage in “academic dishonesty” will receive an automatic failure for that submission and/or such other penalty, up to and including expulsion from the course/program, as may be decided by the professor/dean. In order to protect students from inadvertent plagiarism, to protect the copyright of the material referenced, and to credit the author of the material, it is the policy of the department to employ a documentation format for referencing source material.

Course outline amendments:

The Professor reserves the right to change the information contained in this course outline depending on the needs of the learner and the availability of resources.

Substitute course information is available in the Registrar's office.

VII. PRIOR LEARNING ASSESSMENT:

Students who wish to apply for advanced credit in the course should consult the instructor.

VIII. DIRECT CREDIT TRANSFERS:

Students who wish to apply for direct credit transfer (advanced standing) should obtain a direct credit transfer form from the Dean's secretary. Students will be required to provide a transcript and course outline related to the course in question.