

I. COURSE DESCRIPTION:

This course builds on the knowledge and skills developed in Fitness and Lifestyle Management I. Topics include: coronary heart disease prevention, basic nutrition and heart-smart eating, body composition management, cardiovascular fitness assessment and exercise participation and prescription. Through participation in a variety of learning experiences, students gain the knowledge and skills necessary to make positive lifestyle changes with an emphasis on cardiovascular health. If students choose to incorporate their knowledge and skills into daily living, they will see an overall increase in personal wellness and fitness, as well as improved performance on law enforcement specific fitness tests.

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

This course addresses generic outcomes in: communication (1), interpersonal skills (5), analysis (12) and accountability (10, 11). This course addresses the following Police Foundations Vocational Outcomes: 1) Act in a manner consistent with all relevant law and legislation and professional, organizational and ethical standards; 8) Make sound decisions based on an evaluation of situations; 9) Cope with stress and optimize fitness and wellness.

Upon successful completion of this course, the student will demonstrate the ability to:

1. Identify the risk factors of coronary heart disease and describe specific disease prevention strategies.

Potential Elements of the Performance:

- Describe the impact of heart disease on North American society
- Identify the primary risk factors for coronary heart disease
- Identify the eight secondary heart disease risk factors
- Identify with heart disease risk factors are controllable and which are uncontrollable
- Define the following terms: arteriosclerosis, atherosclerosis, angina pectoris, myocardial infarction and stroke.
- Identify the symptoms of a heart attack
- Identify the role of saturated fats and cholesterol in the development of atherosclerosis
- Explain the roles of high density lipoprotein and low density lipoprotein in heart health
- Explain how smoking specifically increases one's risk of coronary heart disease
- Identify normal blood pressure range and values that indicate hypertension
- Identify the blood cholesterol reading which indicates high blood cholesterol
- Describe the Type A behaviour personality traits that contribute to heart disease risk

- Describe how regular aerobic exercise positively impacts several heart disease risk factors
 - Identify future trends that will impact heart disease
2. Describe the essential elements of sound nutrition and heart-smart eating.

Potential Elements of the Performance:

- Describe three ways dietary habits of North Americans have changed in the past 75 years and explain how these changes have affected our nutritional wellness
 - Identify the six major nutrients and describe their main functions in the body
 - Identify the percentage of calories recommended in the diet for carbohydrates, proteins and fats
 - Describe the dietary guidelines for North Americans
 - Differentiate between complex and simple carbohydrates
 - Describe the health benefits of soluble and insoluble fibre and list good sources of each
 - List examples of saturated, monounsaturated and polyunsaturated fats and explain their relationship to coronary heart disease
 - Identify foods high in cholesterol
 - Identify the key concepts promoted in “Canada’s Food Guide for Healthy Eating”
 - Analyze meals for dietary fat and fibre content
 - Examine one’s own nutritional behaviour and outline strategies for improvement
3. Describe and apply the basic concepts and skills related to body composition management.

Potential Elements of the Performance:

- Describe the impact of body fat on cardiovascular health and fitness
- Compare overweight, obesity and body composition
- Describe the common causes of high body fat
- Explain the importance of exercise in the prevention and treatment obesity
- Describe the relationship of nutrition, exercise and weight management
- Describe the impact of a sedentary lifestyle
- Describe body fat measurement techniques
- Measure body composition a variety of ways and list advantages and disadvantages of each method
- Outline tips for body fat management
- Outline the value of cardiovascular exercise and weight training in body composition management
- Identify the problems associated with fad diets
- Describe a healthy method of body composition management

4. Apply one's knowledge of fitness development by designing a personal fitness program that addresses the achievement of high-level fitness and employment fitness standards.

Potential Elements of the Performance:

- Participate in a variety of fitness tests for each component of fitness
 - Participate in a variety of cardiovascular activities and carefully record data regarding intensity and heart rate response
 - Design a personal fitness program in response to fitness assessment results and in class fitness data collection
 - Apply one's knowledge related to the development and maintenance of fitness and design an effective personal fitness program which includes:
 - appropriate warm-up and cool-down activities and application of the
 - F.I.T.T. formula of exercise prescription (Frequency, Intensity, Time and Type) for cardio respiratory endurance and muscular strength
 - Apply the principles of progressive overload, specificity and rest to ensure that one's fitness program enables the student to achieve the identified employment standards
5. Demonstrate an appropriate fitness level in accordance with Ontario Police Standards.

Potential Elements of the Performance:

- Demonstrate the Shuttle run at a level of 7.5
- Demonstrate the OPC component tests (timed push-up, timed curl-ups, sit and reach, 1.5 mile run) at 75% of OPC standards
- Demonstrate completion of the PREP with a minimum score of 162 seconds on the obstacle course and a 6.5 score on the shuttle run
- Demonstrate improved cardiovascular responses for a specific prescribed workload

III. TOPICS:

1. Coronary Heart Disease
2. Nutrition and Heart-Smart Eating
3. Body Composition Management
4. Exercise Participation, prescription and Program Design
5. Fitness Assessment

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

Wisotzki-Wagner, Nancy. Fitness and Lifestyle Management for Law Enforcement.

V. EVALUATION PROCESS/GRADING SYSTEM:

Data collection and improvement scores	5%
PREP Test (or other Fitness Tests)	25%
Assignments	40%
Final Exam	30%

As active participants in the learning process, it is expected that all students will attend classes. Absence in excess of 20% will result in a failing grade for the course. Students who arrive more than five minutes late or who leave early will be recorded as missing ½ a class. Since this is an activity class only active participation will be recorded.

Note: Missed Tests and Late Assignments

If you miss a written test, fitness test or in-class assignment you must call your instructor on the scheduled test day to explain your absence. Only medical emergencies and extreme circumstances will warrant the opportunity to write/complete the missed test or assignment at a later date. Official supporting documentation, such as a physician's certificate, may be required as confirmation of your illness. Make appropriate arrangements with your instructor as soon as you resume attendance at Sault College. Failure to comply with this policy will result in a zero grade for the missed test or assignment.

Assignments will not be accepted beyond the due date.

The following semester grades will be assigned to students in post-secondary courses:

<u>Grade</u>	<u>Definition</u>	<u>Grade Point Equivalent</u>
A+	90 – 100%	4.00
A	80 – 89%	3.00
B	70 - 79%	2.00
C	60 - 69%	1.00
D	50 – 59%	0.00
F (Fail)	49% and below	

CR (Credit)	Credit for diploma requirements has been awarded.
S	Satisfactory achievement in field /clinical placement or non-graded subject area.
U	Unsatisfactory achievement in field/clinical placement or non-graded subject area.
X	A temporary grade limited to situations with extenuating circumstances giving a student additional time to complete the requirements for a course.
NR	Grade not reported to Registrar's office.
W	Student has withdrawn from the course without academic penalty.

Note: For such reasons as program certification or program articulation, certain courses require minimums of greater than 50% and/or have mandatory components to achieve a passing grade.

Students enrolled in Police Foundations or Law and Security Administration programs will require a minimum of 60% (C) as a passing grade in each course.

It is also important to note, that the minimum overall GPA required in order to graduate from a Sault College program remains 2.0.

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 E1101 or call Extension 703 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, as may be decided by the professor. 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.

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. Credit for prior learning will be given upon successful completion of the following:

- Written test covering the learning outcomes identified for this course
- Completion of the nutrition assignment, the stress management assignment and the fitness program design assignment
- Demonstration of an appropriate level of fitness in accordance with Ontario Police Standards

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.

Instructor's Phone #: 759-2554, ext. 547
Instructor's Office: E3204