



## COURSE OUTLINE: REC106 - FITNESS I

Prepared: Tina Montgomery  
Approved: Karen Hudson - Dean

<b>Course Code: Title</b>	REC106: FITNESS AND LIFESTYLE MANAGEMENT
<b>Program Number: Name</b>	4061: AVIATION TECHNOLOGY
<b>Department:</b>	CRIMINAL JUSTICE
<b>Academic Year:</b>	2025-2026
<b>Course Description:</b>	This course deals with the pursuit of wellness with a focus on physical fitness. Topics include: positive lifestyle choices, self-management and behaviour change techniques, exercise prescription, fitness training methods and body composition management. Students are introduced to a diverse range of fitness activities designed to promote lifelong health and wellbeing.
<b>Total Credits:</b>	3
<b>Hours/Week:</b>	3
<b>Total Hours:</b>	42
<b>Prerequisites:</b>	There are no pre-requisites for this course.
<b>Corequisites:</b>	There are no co-requisites for this course.
<b>Vocational Learning Outcomes (VLO's) addressed in this course:</b>	<b>4061 - AVIATION TECHNOLOGY</b> VLO 1 Aviation Technology - Flight
<b>Please refer to program web page for a complete listing of program outcomes where applicable.</b>	
<b>Essential Employability Skills (EES) addressed in this course:</b>	EES 1 Communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience. EES 2 Respond to written, spoken, or visual messages in a manner that ensures effective communication. EES 8 Show respect for the diverse opinions, values, belief systems, and contributions of others. EES 9 Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals. EES 10 Manage the use of time and other resources to complete projects. EES 11 Take responsibility for ones own actions, decisions, and consequences.
<b>Course Evaluation:</b>	Passing Grade: 50%, D  A minimum program GPA of 2.0 or higher where program specific standards exist is required for graduation.
<b>Course Outcomes and</b>	



<b>Learning Objectives:</b>	<b>Course Outcome 1</b>	<b>Learning Objectives for Course Outcome 1</b>
	1. Demonstrate an understanding of the concept of wellness.	<p>1.1 Describe the historical and contemporary issues related to the concepts of health and wellness</p> <p>1.2 Contrast the past definition of health with the contemporary concept of wellness</p> <p>1.3 Explore the validity of the statement - health is a matter of choice</p> <p>1.4 Describe how over reliance on our health care system impacts us as individuals and as a society</p> <p>1.5 Identify seven dimensions of wellness and behaviour choices which enhance each of them</p> <p>1.6 Describe self-management strategies which allow one to adopt healthy lifestyle behaviours, set goals and monitor progress</p> <p>1.7 Identify key features of the change process including precontemplation, contemplation, preparation, action and maintenance</p>
	<b>Course Outcome 2</b>	<b>Learning Objectives for Course Outcome 2</b>
	2. Demonstrate knowledge and skills related to the fitness dimension of wellness.	<p>2.1 Describe the development of the fitness movement and relevance of fitness in evolutionary success</p> <p>2.2 Differentiate between health-related and performance-related fitness</p> <p>2.3 Define each of the five components of health-related fitness</p> <p>2.4 Outline the minimum exercise requirements necessary to improve each component of fitness applying the FITT Formula of exercise prescription</p> <p>2.5 Explain the importance of a warm-up and cool-down and describe the critical elements of both</p> <p>2.6 Identify examples of aerobic activities which have the potential to increase cardiorespiratory endurance</p> <p>2.7 Explain how our understanding of physical activities of man as he evolved is influencing fitness practices today.</p> <p>2.8 Describe tools developed to assess exercise intensities</p> <p>2.8 Explain the following principles of training such as progressive overload, rest, individuality and specificity</p>
	<b>Course Outcome 3</b>	<b>Learning Objectives for Course Outcome 3</b>
	3. Demonstrate knowledge and skills related to the development of muscular strength, endurance and flexibility.	<p>3.1 Describe the many ways that muscular strength and muscular endurance training enhance wellness</p> <p>3.2 Identify and apply several important safe exercise practices when weight training</p> <p>3.3 Describe how to establish an ideal training weight for a beginner and for an experienced weight trainer</p> <p>3.4 Identify weight training exercises for the major muscle groups</p> <p>3.5 Describe and demonstrate the concentric and eccentric phases of dynamic muscular contractions</p> <p>3.6 Choose and execute a weight training program to achieve improvement or maintenance of muscular strength and/or endurance</p> <p>3.7 Describe how flexibility training enhances wellness</p>

	<p>3.8 Describe the factors which limit flexibility</p> <p>3.9 Compare the benefits and risks of static, ballistic, PMF and dynamic stretching techniques</p> <p>3.10 Demonstrate safe and effective exercises which enhance flexibility</p> <p>3.11 Identify some common unsafe exercise and their safer alternatives</p> <p>3.12 Describe how the study of evolutionary biology is influencing change in training practices regarding resistance exercise and maintenance of flexibility</p>
<b>Course Outcome 4</b>	<b>Learning Objectives for Course Outcome 4</b>
4. Identify, administer, evaluate, and interpret results of fitness tests for the five components of health-related fitness.	<p>4.1 Describe fitness assessment methods for each of the five components of health-related fitness</p> <p>4.2 Perform various fitness assessment procedures on an individual</p> <p>4.3 Evaluate fitness assessment results and make appropriate training recommendations</p> <p>4.4 Complete relevant program specific fitness tests</p>
<b>Course Outcome 5</b>	<b>Learning Objectives for Course Outcome 5</b>
5. Identify important exercise considerations, safety and care of the lower back.	<p>5.1 Identify recommendations for safe exercise practices</p> <p>5.2 Identify major contributors to injury risk and how to reduce risk</p> <p>5.3 Explain general recommendations for common injuries (R.I.C.E.)</p> <p>5.4 Describe recommendations to reduce risk of lower back injury such as core strength development</p>
<b>Course Outcome 6</b>	<b>Learning Objectives for Course Outcome 6</b>
6. Describe the essential elements of nutrition.	<p>6.1 Explore evolutionary and cultural dietary habits</p> <p>6.2 Identify the six major nutrients and describe their main functions in the body</p> <p>6.3 Compare the vast array of opinions and practices regarding consumption of carbohydrates, proteins and fats</p> <p>6.4 Compare types of fatty acids and describe their role in maintenance of good health</p> <p>6.5 Use technology to analyze meals for nutritional content and to gather information to determine strategies for improvement</p> <p>6.6 Review recent research and trends related to nutrition including paleo, ketogenic and ancestral eating strategies</p>
<b>Course Outcome 7</b>	<b>Learning Objectives for Course Outcome 7</b>
7. Evaluate the effectiveness of various body composition techniques and differentiate between those which are health-enhancing and those which are health-diminishing.	<p>7.1 Describe the relationship between body composition and wellness</p> <p>7.2 Explain the role exercise plays in managing body composition</p> <p>7.3 Describe nutritional strategies which promote healthy body composition</p> <p>7.4 Identify trends in body composition and body composition management</p> <p>7.5 Identify the role of cardiovascular exercise, high intensity</p>



	interval training and weight training in the management of body composition
<b>Course Outcome 8</b>	<b>Learning Objectives for Course Outcome 8</b>
8. Identify and apply the concepts related to stress and stress management to one's personal life.	8.1 Define the terms stress and stressor 8.2 Describe the three stages of the General Adaptation Syndrome (the stress response) 8.3 Define and give examples of eustress, distress and optimal stress 8.4 Explain how perception and control are related to the experience of stress 8.5 Explain the relationship of life changes and susceptibility to stress-related illnesses 8.6 Describe the harmful short term, long term and chronic effects of too much stress 8.7 Complete stress event evaluations like the Holmes and Rahe Life Event scale 8.8 Experience and critique several relaxation techniques as stress management strategies 8.9 Explain how the following lifestyle behaviours/characteristics impact our experience of stress: eating habits, time management, alcohol, drugs and cigarette use, sleeping habits, satisfying relationships, seeking help and support of others, balancing work and play
<b>Course Outcome 9</b>	<b>Learning Objectives for Course Outcome 9</b>
9. Describe the important issues to consider when making the pursuit of wellness a lifetime endeavour.	9.1 Experience and discuss lifelong sports endeavours and how to adapt sports to multi-ages, coed and multiple ability level participants 9.2 Describe ways to foster wellness throughout all developmental stages 9.3 Describe trends which will affect our wellness in the future 9.4 List environmental concerns that may impact our wellness 9.5 Discuss issues related to sexual health
<b>Course Outcome 10</b>	<b>Learning Objectives for Course Outcome 10</b>
10. Discuss issues related to illness and the disease processes and health practices for prevention.	10.1 Identify how heart disease and cancer deaths rank in overall death statistics 10.2 List primary and secondary risk factors for cancer and heart disease risk. 10.3 Give guidelines for preventing heart disease, such as dietary practices, blood screening and monitoring blood pressure 10.4 Identify cancer risk and prevention strategies 10.5 Identify safe sex practices 10.6 Identify health issues related to drug, alcohol and smoking use and community resources for lifelong support

**Evaluation Process and Grading System:**

<b>Evaluation Type</b>	<b>Evaluation Weight</b>
Assignments	20%
Lab Activities	40%



	Tests	40%
<b>Date:</b>	June 23, 2025	
<b>Addendum:</b>	Please refer to the course outline addendum on the Learning Management System for further information.	

