COURSE NAME: ATG415 Pathological Conditions and Interventions

Credit Value: 2
Total Course Hours: 24
Prerequisite Course(s): ATG 410 Anatomy of Aging
Corequisite Course(s): None

COURSE DESCRIPTION

This course describes common pathological conditions which can affect the body systems. A section on simple adaptations to activities is included.

PLAR INFORMATION

This course is eligible for Prior Learning Assessment and Recognition. Students are advised to discuss options with their program coordinator.

COURSE LEARNING OUTCOMES

Upon completion of this course, the student will have reliably demonstrated the ability to:

1.0 Describe common conditions and diseases which affect the skin.
   1.1 Explain the cause and symptoms of the following: pruritus, skin cancer, stasis ulcer, decubitus ulcer.
   1.2 Discuss basic medical interventions to treat the above conditions.

2.0 Describe common conditions and diseases which affect the musculoskeletal system of the aged.
   2.1 Explain causes and symptoms of conditions related to muscle function: cramps, tension, and myasthenia gravis.
   2.2 Explain the causes and symptoms related to bones and joints: osteoarthritis, rheumatoid arthritis, osteoporosis, gout, bursitis, fractures, and amputation.
   2.3 Describe the effects of each condition on a person’s responses and actions.

3.0 Describe common conditions and diseases which affect the nervous system of the aged.
   3.1 Explain the causes and symptoms of conditions related to dysfunctions of the nervous system: senile tremor, herpes zoster, trigeminal neuralgia, parkinson’s disease, and multiple sclerosis.
   3.2 Describe the nature of spinal cord injuries and limitations of a paraplegic and quadriplegic.
   3.3 Discuss conditions related to acute and chronic organic brain syndrome, including the following: alzheimer’s, multiple infarction, tumors, and alcoholism.
   3.4 Explain psychological manifestations of conditions affecting the nervous system, including depression and paranoia.

4.0 Describe common conditions and diseases which affect the sensory system of the aged.
   4.1 Discuss conditions related to the auditory part of the sensory system: hearing loss, disequilibrium, and tinnitus.
   4.2 Discuss conditions related to the eye and vision loss: glaucoma, cataracts, diabetic retinopathy, and blindness.

5.0 Describe common conditions and diseases which affect the circulatory system the aged.
   5.1 Describe the general causes, symptoms, and treatment of hypertension.
   5.2 Discuss conditions caused by artery changes: atherosclerosis, heart attack, and angina.
   5.3 Describe the causes and manifestation of congestive heart failure.
   5.4 Identify and describe the symptoms of various heart diseases.
   5.5 Discuss the cause and effects of peripheral vascular disease.
5.6 Describe the causes of stroke/cerebrovascular accident, and residual effects and problems.

6.0 **Describe common conditions and diseases which affect the respiratory system of the aged.**
   6.1 Describe the symptoms and treatment of asthma and pulmonary emphysema.
   6.2 Discuss signs, mode of transmission, and treatment of tuberculosis.
   6.3 Describe the process and symptoms of acute respiratory conditions: pneumonia, pleurisy, aspiration, and pulmonary embolism.

7.0 **Describe common conditions and diseases which affect the digestive system of the aged.**
   7.1 Discuss common diseases of the mouth.
   7.2 Describe symptoms and treatment for the following conditions which infringe on normal digestion: hiatus hernia, peptic ulcer, diverticulosis, carcinoma, and gall bladder disease.

8.0 **Describe common conditions and diseases which affect the urinary system of the aged.**
   8.1 Describe the incidence of urinary tract infections in the elderly and causes, symptoms, and treatment.
   8.2 State causes and effect of uremia.
   8.3 Discuss prostate enlargement and its effect on urinary function.
   8.4 Describe symptoms and treatment of carcinoma of the urinary system.

9.0 **Describe common conditions and diseases which affect the reproductive system of the aged.**
   9.1 Describe vaginal problems such as the following: dryness, yeast infection, and cancer.
   9.2 Understand the following conditions as related to altered function and treatment: cystocele, rectocele, and prolapsed uterus.
   9.3 Describe symptoms of reproductive tumors and treatment according to whether they are benign or malignant.

10.0 **Describe diabetes as the most common disease of the endocrine system.**
   10.1 Explain the cause of diabetes mellitus and its effect on body metabolism.
   10.2 Describe the symptoms of insulin deficiency and surplus, and common emergency measures to combat each.
   10.3 List and describe secondary effects of diabetes on other body symptoms.

11.0 **Describe simple adaptations which allow the aged person to compensate for loss of function in self-care and activities.**

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**GENERAL EDUCATION**

This is not a General Education course.

**ESSENTIAL EMPLOYABILITY SKILLS OUTCOMES**

This course contributes to the following Ministry of Training, Colleges and Universities approved essential employability skills (EES) outcomes:

1. Communicate clearly, concisely, and correctly in the written, spoken, and visual form that fulfils the purpose and meets the needs of the audience.

2. Respond to written, spoken, or visual messages in a manner that ensures effective communication

5. Use a variety of thinking skills to anticipate and solve problems

6. Locate, select, organize, and document information using appropriate technology and information systems.

7. Analyse, evaluate, and apply relevant information from a variety of sources.

8. Show respect for the diverse opinions, values, belief systems, and contributions of others

10. Manage the use of time and other resources to complete projects.

11. Take responsibility for one’s own actions, decisions, and consequences.
EXTERNAL COURSE ACCREDITATIONS AND CONDITIONS

None.

COURSE EVALUATION

Assignments 50%
Final Exam 50%

PROGRAM SPECIFIC GRADING

Per College Grading System

GRADING SYSTEM

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I - Incomplete
F - Repeat course

*For a complete detailed description please refer to the College website.

LEARNING RESOURCES


Resources listed on the course outline support the achievement of learning outcomes, and may be used throughout the course to varying degrees depending on the instructor’s teaching methodology and the nature of the resource.

LEARNING ACTIVITIES

Assignments

DELIVERY MODE

Correspondence

ACADEMIC POLICIES

- Academic Integrity
- Academic Appeal
• Academic Attendance
• Grading and Assessment


COLLEGE POLICIES
• Protecting human rights in support of a respectful college community

For college policies please see: http://www.canadorecollege.ca/about-us/college-policies.

STUDENT SUCCESS SERVICES

YOUR SUCCESS MATTERS!

We offer comprehensive, student-focused services designed to help you succeed. Canadore is committed to Student Success and offers CONFIDENTIAL services to help you in your studies. We offer:

• Study skills workshops
• Peer tutoring
• Career guidance
• Mental health and wellness tips and strategies
• Resource centre
• Assistive devices

The ultimate goal of Student Success Services is to support students so they can achieve success academically, in their career aspirations, and in their personal lives. Please don’t hesitate to drop by C262 or to book an appointment please call 1-705-474-7600 ext. 5205.

FIRST PEOPLES’ CENTRE:
We offer a culturally safe environment where our student focused services provide you with the following CONFIDENTIAL services:

• One on one counselling
• Elder in residence
• Peer tutoring
• Peer mentorship
• Lunch & learn workshops on study skills, self-care, life skills
• Resource Centre

Drop by our offices at C254 College Drive, E101 Commerce Court or call 705 474 7600 Ext. 5961 College Drive / 5647 Commerce Court.

WAIVER OF RESPONSIBILITY
Every attempt is made to ensure the accuracy of this information as of the date of publication. The college reserves the right to modify, change, add, or delete content.

**HISTORICAL COURSE OUTLINES**

Students use course outlines to support their learning. Students are responsible for retaining course outlines for future use in applications for transfer of credit to other educational institutions.