

# Langara.

THE COLLEGE OF HIGHER LEARNING.

## Pathology Introduction for Bodywork Practitioners Continuing Studies May 2022 - **Online course**

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### COURSE DESCRIPTION

An introduction to the study of the Essential nature of diseases and Especially of the structural and functional changes produced by them. This course is a natural continuation from the Basic understanding of anatomy and physiology, bringing the analysis of the different mechanisms than can drive the body off balance.

Explore the foundations for explaining the diseases and conditions affecting it including Infectious agents, Hemodynamic disorders, and Neoplasms as well as the basics of Surgical procedures and Medication awareness.

Ideal for candidates preparing to enter the RMT program, students that have completed Anatomy and Physiology courses and wanting to advance their knowledge, and practicing and aspiring health care personnel with an interest in expanding their knowledge of how the body works facing disruptions and disease.

### LEARNING OUTCOMES:

A student who successfully completes the course will have reliably demonstrated the ability to:

- Define and describe the **Main pathological concepts**
- Define and describe **difference between the Clinical signs and symptoms**
- Define and describe the **difference between the Acute and Chronic diseases**
- Define and define the **body response to Cellular injury**
- Define and describe the **process of Infectious diseases** from different infectious agents such as Bacterial, Viral and Fungal
- Define and describe **types of Fluid and hemodynamic disorders**
- Define and describe the **classification of Tumors**, biology of tumor cells and causes of cancer
- Define and describe the **basic Surgical concepts**
- Define and describe the **difference between General and specific surgical procedures**
- Define and **describe Common post-surgical complications**
- Recognize classes of **commonly used Drugs, their actions and side effects**
- Define and describe the **Routes of Administration, Metabolism, & Elimination of drugs**

## LEARNING RESOURCES:

1. Handouts from the Instructor
2. Goodman and Fuller Pathology implications for the Physical Therapist Fifth Edition (Saunders Elsevier) 2019

## METHODOLOGY:

This course will be taught in a **total of 21 hours by Lectures and Written Evaluations.**

- The students will receive a digital booklet with the contents in-brief to be used in conjunction with the textbook in class. **All the power point presentation slides will be accessible on BrightSpace to support their preparation.**
- There will be a **total of three (3) on-line quizzes and one Assignment.**
- A **Final exam will not be applied in this course.**

## REQUIRED RESOURCES:

- Students are expected to attend the On-line classes and be prepared to learn. This includes having the adequate resources such as laptops, tablets or similar devices and adequate internet service.

## EVALUATION OF THE COURSE:

Evaluation Method	Weight
3 Quizzes @ 25% each	20
Assignment	40
Total	100%

**The Quizzes (20 Questions each) will be completed on-line on the BrightSpace platform as scheduled in the Outline of the course and within their Allotted time frame.**

While the students complete the on-line Quizzes, neither their video nor their audio would be required to be on.

**It is expected that the students complete these evaluations individually keeping Academic honesty.**

**Any kind of recording, saving, photographing or similar is prohibited.**

## Langara's Academic Integrity policy

Students must not share instructor-created material with others, including friends, family members, other students or third party "homework help" sites without the express permission of the instructor. If any student is found to have shared material created by the instructor, the College may take steps to address this infringement, and such steps may include actions under the Langara College Academic Integrity policy (F1004). and/or

Under the Langara Academic Integrity policy, it is a violation of policy to aid, enable or assist other students to cheat, including by sharing course information without permission. **Students found to have violated the policy may be subject to disciplinary sanctions.**

## The minimum Grade requirement for successful completion of the course is C or 60%!!

The grading scale for the evaluation will be based on the following table:

A+ 95 – 100%	A 90 -94 %	A- 85 – 89%
B+ 80 – 84%	B 75 – 79%	B- 70 – 74%
C+ 65 – 69%	C 60 – 64%	U- 55 – 59%
U 50 – 54%	F 49% or below	U=Unsuccessful

As per College policy, a failing grade will be given if a student does not complete all of the course requirements.

Those students that score under the minimum of 60% may re-write the failed exams and a minimum of 60% must be achieved as a passing grade.

There is only One opportunity to re-write the failed exams.

### Exam re-scheduling policy:

"Should the student, for justified reasons, require to re-schedule the Midterm or the Final exams, arrangements must be made prior to the exam date and be approved by the instructor and the coordinator of the course. The student is responsible for arranging with the coordinator an acceptable time to retake the exam and to pay the exam fee of \$60/hr during regular office hours, or \$100/hr for exams after office hours. The re-scheduled exam must be completed within a week after the original exam date, unless approved by both the coordinator and the instructor."

"In the event of re-writing the Final exam, the student must follow the same procedure as for re-scheduling.

## **REFUNDS AND WITHDRAWALS**

**Before course starts:** All refunds are subject to an administration fee of 20% of the course/event fee (minimum \$15 to a maximum of \$35 per course). Cancellations must be received at least 24 hours prior to the first day of class. Please note: We would be pleased to hold a 100% credit of the registration fee toward taking another Langara Continuing Studies course/s. This credit is valid for 12 months.

**After course has started:** No refunds are issued except for extraordinary circumstances and where approved by the program coordinator. In such case, request must be submitted in writing by e-mail, fax, and mail or in person to the relevant program coordinator. Students wanting to discontinue taking a course after the course drop/refund period must officially withdraw from the course. Students may withdraw from the course by contacting the program coordinator prior to the end of the fifth session (of 7 classes). Please note that courses withdrawn from after the drop deadlines will not be eligible for a refund. If the student qualifies their transcript will indicate a W (Withdrawn). After this time if a student does not complete the course they will receive an "I" Incomplete on their transcript.

## **THE INSTRUCTOR:**

### **Dr. Vesna Stajic , MD**

- Medical Doctor (MD) graduated in Sarajevo, Bosnia and Herzegovina.
- Specialist in Anesthesia and Resuscitation (Sarajevo - Bosnia and Herzegovina)
- Practiced as Anesthesiologist from 1991 (Sarajevo - Kladovo)
- Head of the Anesthesiology Unit for 10 years (G.H. Kladovo, Serbia)
- President and Educator at BC Multicultural Health Service Society (Vancouver 2002 - 2006)
- Specialist in Hyperbaric oxygen –therapy (Dept. of Hyperbaric Medicine CA, USA 2004)
- Practiced as a Hyperbaric oxygen –therapy specialist at the Baro-Medical clinic for 5 years (Burnaby, BC)
- Research coordinator for the UBC Endocrinology department (CEMCOR) on Progesterone double blind study (2006-2010)

### **Teaching experience:**

- Medical Instructor diploma in 1994 (Kladovo, Serbia)
- Instructed and provided professional support to Medical doctors and Technicians.
- Has taught Anatomy, Physiology, Pathology, Pharmacology/Medications, Surgery, and Biology courses at West Coast College of Massage Therapy (2004-2014)

**Currently, teaches Academic courses in the RMT program at the Langara College**

**COURSE SCHEDULE – May 2022 – Online (from 6-9pm)**

<b>Class</b>	<b>Date</b>	<b>Topics</b>
1	May 18	<p><b>Mechanism of diseases:</b>                      Introduction to Pathology. Pathology definitions Pathology branches: General vs Systemic pathology. Main pathological concepts: Etiology; Pathophysiology ; Difference between Signs and Symptoms Genetic aspects of Disease. Cell injury</p>
2	May 25	<p><b>Infectious agents</b>                      The sources of infection; Patterns of infection. Spread of infection within a host.                      Infection: Clinical manifestations                      Factors affecting occurrence and spread of infection;                      Acute/Chronic infection ; Defense against infection                      Bacterial, viral, fungal and parasitic infections</p>
3	June 01	<p><b>Quiz 1 (Classes 1 and 2) online</b>  <b>Debriefing of Quiz 1</b></p> <p><b>Hemodynamic disorders</b>                      Basic concepts to Fluid and Hemodynamic disorders.                      Discussions on Edema and the various Types of edema, Hyperemia ; The hemorrhage; different Types of hemorrhages                      Thrombosis, thrombosis formation, embolism, infarction, shock.                      MI, atherosclerosis</p>
4	June 08	<p><b>Assignment instruction!!!</b>  <b>Neoplasm's</b>                      Basic concepts of Neoplasia                      Introduction to Tumors: Classification of tumors – benign and malignant. The causes of cancer; Histological classification of tumors                      Immune response to Tumors ;The process of Metastasis: Lung,</p>
5	June 15	<p><b>Quiz 2 (Classes 3 and 4) online</b>  <b>Debriefing of Quiz</b></p> <p><b>Surgery Basics</b>                      The basic Surgical concepts /Definitions                      Surgical fields: General vs Specific surgical procedures (neurosurgery, orthopedic, CV surgery)                      Common post-surgical complications</p>

6	June 22	<b>Medication awareness</b> The General principles of Pharmacology; Pharmacological terminology Common pharmaceutical terms & concepts Classifications of drugs; Common classes of drugs, their action and side effects; Routes of Administration, Metabolism, & Elimination The Pharmaceutical references /compendium; how they can be used in clinical practice <b>Assignment due date!!</b> <b>Email Assignment to instructor !!!</b>
7	June 29	<b>Quiz 3 (Classes 5 and 6) online</b> <b>Debriefing of Quiz 3</b>



Course: Pathology Introduction for Bodywork Practitioners

## Assignment

### Topics to choose from:

1. Inflammation
2. Immuno –pathology
3. Neoplasia
4. Fluid-hemodynamic disorders
5. Infectious diseases

### The Criteria to be covered in your assignments are:

- Definition
- Etiology
- Clinical manifestations
- Diagnosis and Treatment
- References

**Your assignment should Not be longer than Two pages!!!**

**Assignment Due date: June 22, 2022!**

